

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN020619\
 Data File : VN053644.D
 Acq On : 6 Feb 2019 19:24
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 22 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Feb 07 03:45:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N013019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 01 09:11:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	674205	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1095219	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	963393	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	467236	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	376979	55.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.48%	
35) Dibromofluoromethane	7.59	113	359346	51.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.86%	
50) Toluene-d8	10.09	98	1325507	51.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.02%	
62) 4-Bromofluorobenzene	12.40	95	444388	51.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	363846	47.884	ug/l	99
3) Chloromethane	2.06	50	408074	50.983	ug/l	98
4) Vinyl Chloride	2.19	62	394082	50.719	ug/l	100
5) Bromomethane	2.57	94	256874	50.562	ug/l	96
6) Chloroethane	2.71	64	225626	50.815	ug/l	99
7) Trichlorofluoromethane	3.02	101	526921	50.008	ug/l	98
8) Diethyl Ether	3.41	74	201078	52.255	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.76	101	320231	49.142	ug/l	98
10) Methyl Iodide	3.96	142	522666	51.102	ug/l	100
11) Tert butyl alcohol	4.78	59	114843	286.903	ug/l	98
12) 1,1-Dichloroethene	3.74	96	318375	50.995	ug/l	99
13) Acrolein	3.61	56	79052	362.727	ug/l	99
14) Allyl chloride	4.33	41	483721	48.661	ug/l	95
15) Acrylonitrile	4.99	53	605833	280.356	ug/l	100
16) Acetone	3.82	43	415645	239.582	ug/l	100
17) Carbon Disulfide	4.06	76	901672	46.382	ug/l	100
18) Methyl Acetate	4.32	43	286439	55.750	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	872655	55.137	ug/l	99
20) Methylene Chloride	4.55	84	365941	50.277	ug/l	96
21) trans-1,2-Dichloroethene	5.05	96	336282	49.926	ug/l	97
22) Diisopropyl ether	5.95	45	997382	54.149	ug/l	99
23) Vinyl Acetate	5.90	43	3543572	278.098	ug/l	99
24) 1,1-Dichloroethane	5.85	63	633437	51.560	ug/l	99
25) 2-Butanone	6.83	43	659284	266.451	ug/l	99
26) 2,2-Dichloropropane	6.83	77	457766	48.811	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	387308	51.711	ug/l	99
28) Bromochloromethane	7.20	49	274582	51.503	ug/l	96
29) Tetrahydrofuran	7.21	42	441755	278.038	ug/l	98
30) Chloroform	7.37	83	623863	51.226	ug/l	99
31) Cyclohexane	7.65	56	555041	48.520	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	529013	52.196	ug/l	99
36) 1,1-Dichloropropene	7.79	75	473405	47.951	ug/l	99
37) Ethyl Acetate	6.93	43	296224	53.723	ug/l	99
38) Carbon Tetrachloride	7.77	117	459544	46.205	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	554018	47.300	ug/l	99
40) Benzene	8.04	78	1459469	47.938	ug/l	98
41) Methacrylonitrile	7.18	41	156919	50.919	ug/l	93
42) 1,2-Dichloroethane	8.12	62	431524	47.736	ug/l	99
43) Isopropyl Acetate	8.16	43	530178	49.788	ug/l	98
44) Trichloroethene	8.84	130	402097	46.391	ug/l	98
45) 1,2-Dichloropropane	9.12	63	383142	49.203	ug/l	98
46) Dibromomethane	9.21	93	226953	48.348	ug/l	98
47) Bromodichloromethane	9.40	83	479447	49.124	ug/l	99
48) Methyl methacrylate	9.20	41	250823	49.345	ug/l	94
49) 1,4-Dioxane	9.20	88	75149	1019.515	ug/l #	91
51) 4-Methyl-2-Pentanone	9.99	43	1367639	261.361	ug/l	99
52) Toluene	10.16	92	878056	48.595	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	492533	50.396	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	568578	49.095	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	328435	50.443	ug/l	99
56) Ethyl methacrylate	10.43	69	406246	52.742	ug/l	99
57) 1,3-Dichloropropane	10.71	76	546129	49.079	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1051936	221.168	ug/l	99
59) 2-Hexanone	10.75	43	885820	249.360	ug/l	99
60) Dibromochloromethane	10.90	129	370730	50.493	ug/l	99
61) 1,2-Dibromoethane	11.01	107	315216	48.914	ug/l	99
64) Tetrachloroethene	10.63	164	379003	45.893	ug/l	99
65) Chlorobenzene	11.44	112	977698	47.778	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	357426	50.013	ug/l	99
67) Ethyl Benzene	11.51	91	1618510	48.148	ug/l	99
68) m/p-Xylenes	11.62	106	1259224	98.149	ug/l	100
69) o-Xylene	11.95	106	619775	50.003	ug/l	98
70) Styrene	11.96	104	1006893	50.120	ug/l	99
71) Bromoform	12.13	173	257815	52.620	ug/l #	99
73) Isopropylbenzene	12.25	105	1593750	48.522	ug/l	100
74) N-amyl acetate	12.07	43	422482	53.490	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	385611	49.054	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	480628	80.087	ug/l #	100
77) Bromobenzene	12.53	156	427151	48.253	ug/l	98
78) n-propylbenzene	12.59	91	1846470	48.629	ug/l	100
79) 2-Chlorotoluene	12.68	91	1094665	48.593	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1378375	50.606	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	107335	50.292	ug/l	99
82) 4-Chlorotoluene	12.77	91	1103818	47.751	ug/l	100
83) tert-Butylbenzene	12.99	119	1212084	50.350	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1408035	50.740	ug/l	100
85) sec-Butylbenzene	13.17	105	1629041	49.728	ug/l	99
86) p-Isopropyltoluene	13.29	119	1430504	49.930	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	752739	47.303	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	745733	47.374	ug/l	99
89) n-Butylbenzene	13.62	91	1217128	49.080	ug/l	100
90) Hexachloroethane	13.88	117	238512	50.470	ug/l	96
91) 1,2-Dichlorobenzene	13.65	146	738776	48.494	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	57026	50.902	ug/l	98

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QLast Update : Fri Feb 01 09:11:52 2019
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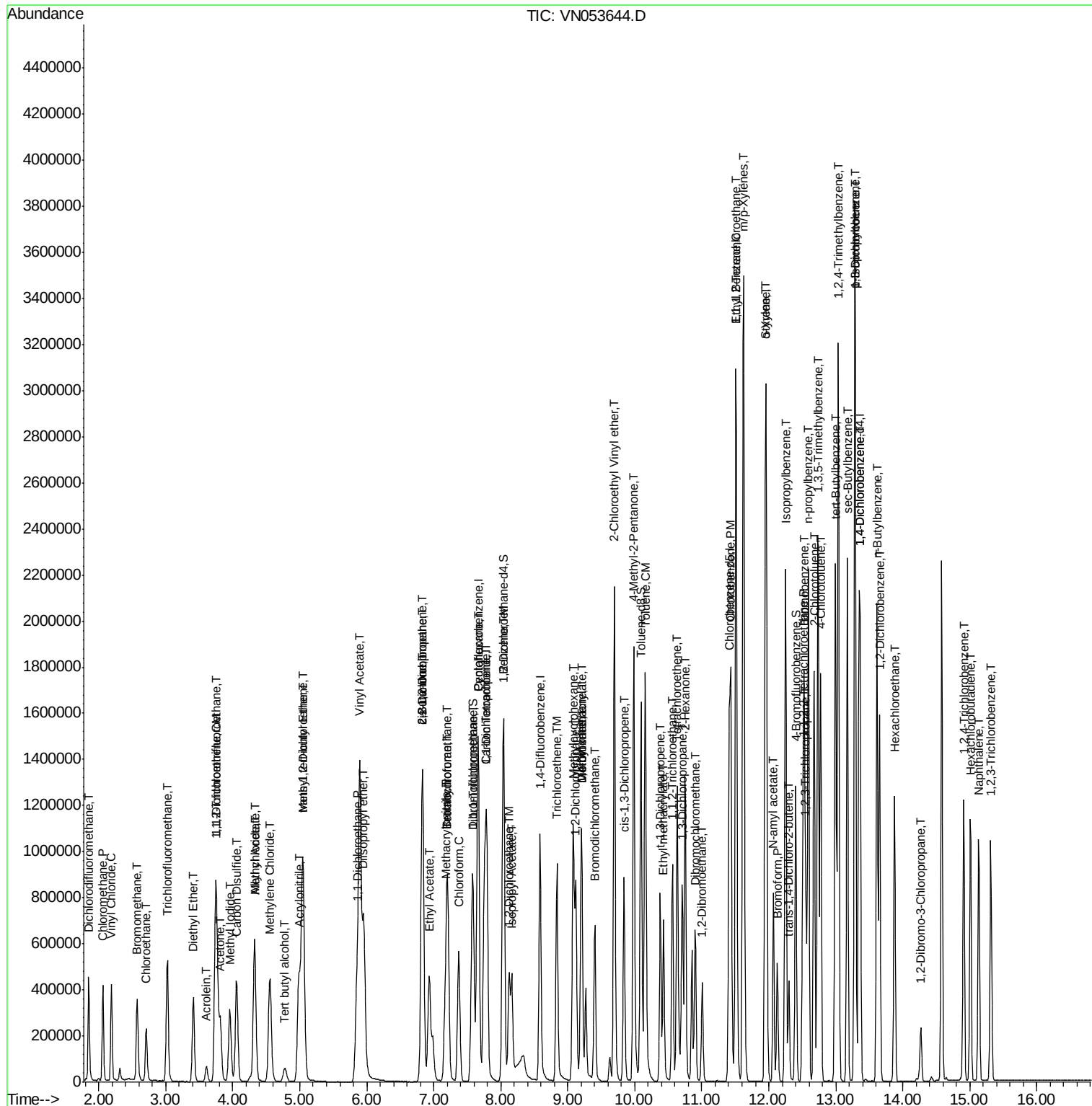
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	429972	49.210	ug/l	99
94) Hexachlorobutadiene	15.01	225	254630	46.795	ug/l	99
95) Naphthalene	15.13	128	953064	46.558	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	399666	49.297	ug/l	99

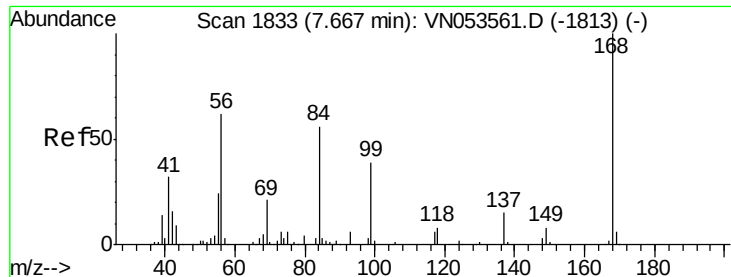
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN020619\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053644.D

Acq: 6 Feb 2019 19:24

Instrument :

MSVOA_N

ClientSampleId :

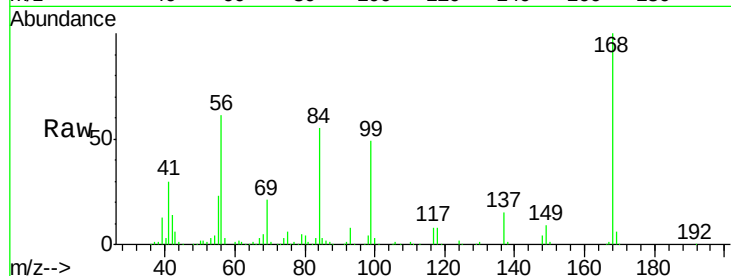
VSTDCCC050EC

Tot Ion:168 Resp: 674205

Ion Ratio Lower Upper

168 100

99 46.9 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

300000

250000

200000

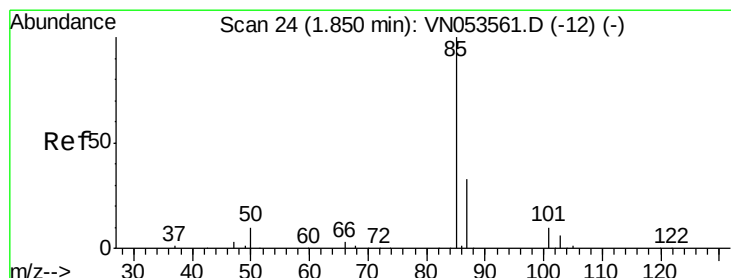
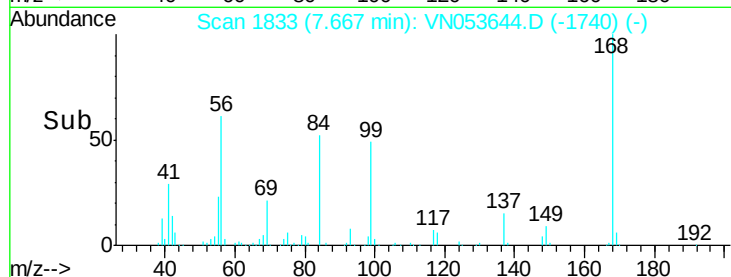
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 47.884 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053644.D

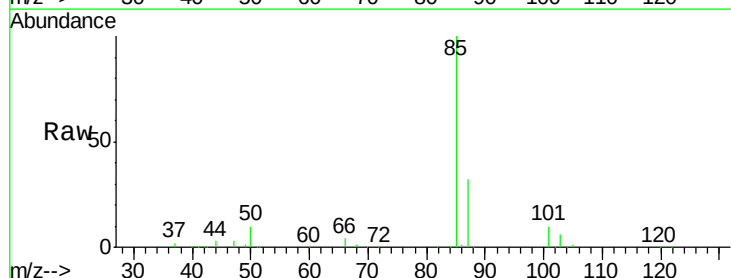
Acq: 6 Feb 2019 19:24

Tgt Ion: 85 Resp: 363846

Ion Ratio Lower Upper

85 100

87 31.7 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

300000

250000

200000

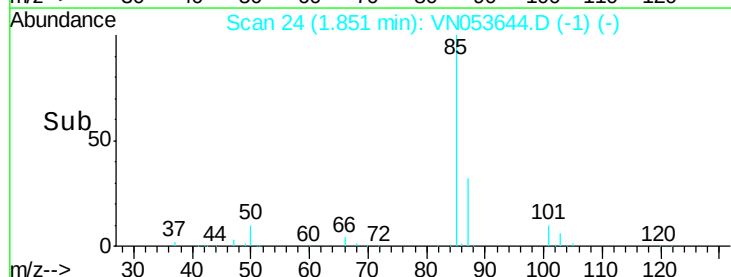
150000

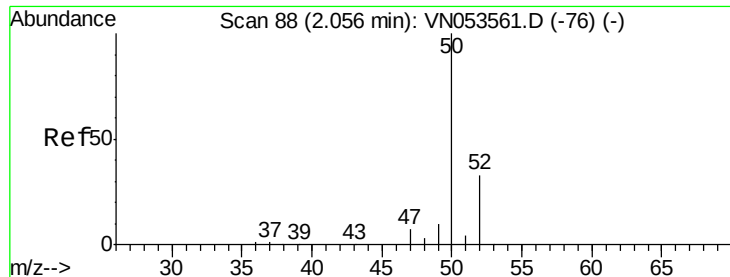
100000

50000

0

Time-->





#3

Chloromethane

Concen: 50.983 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.01 min

Lab File: VN053644.D

Acq: 6 Feb 2019 19:24

Instrument :

MSVOA_N

ClientSampleId :

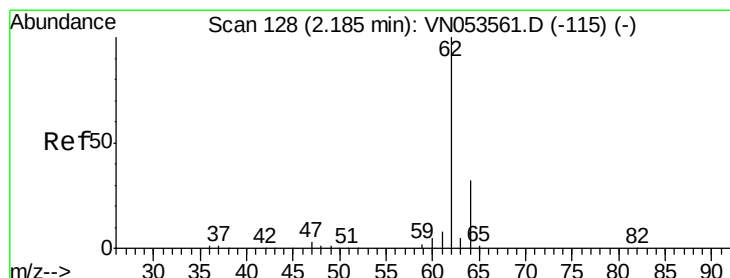
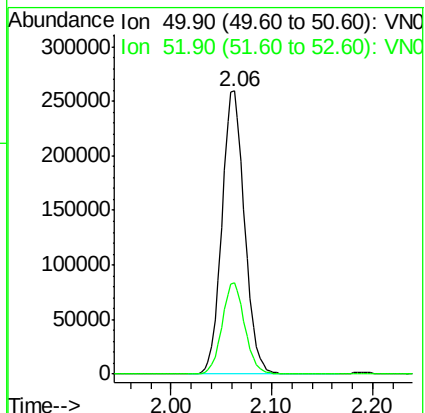
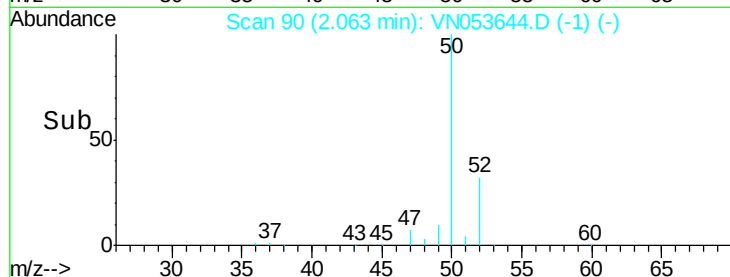
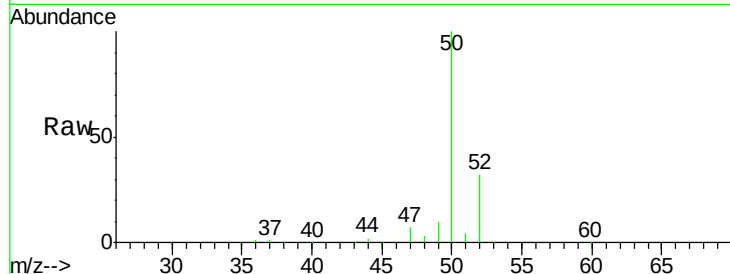
VSTDCCC050EC

Tot Ion: 50 Resp: 408074

Ion Ratio Lower Upper

50 100

52 32.2 26.6 40.0



#4

Vinyl Chloride

Concen: 50.719 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN053644.D

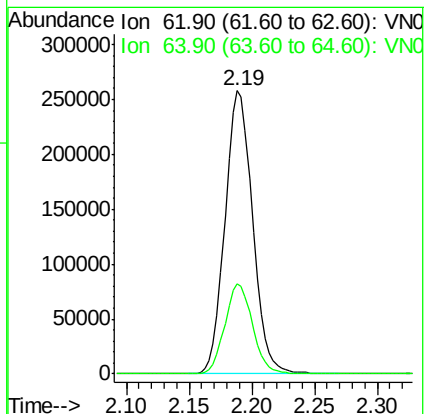
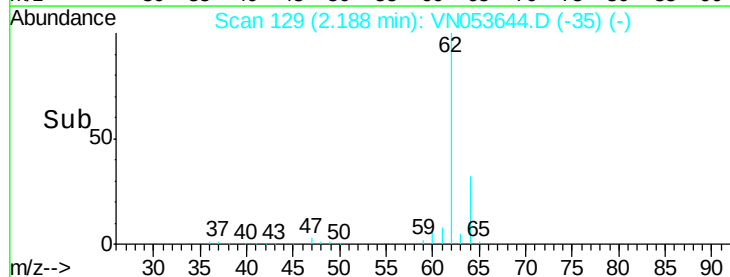
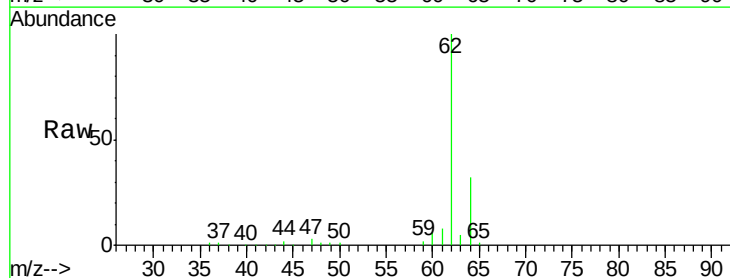
Acq: 6 Feb 2019 19:24

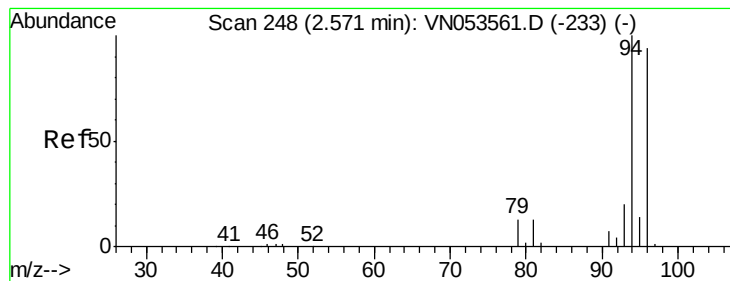
Tgt Ion: 62 Resp: 394082

Ion Ratio Lower Upper

62 100

64 31.9 25.4 38.2





#5

Bromomethane

Concen: 50.562 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.00 min

Lab File: VN053644.D

Acq: 6 Feb 2019 19:24

Instrument :

MSVOA_N

ClientSampleId :

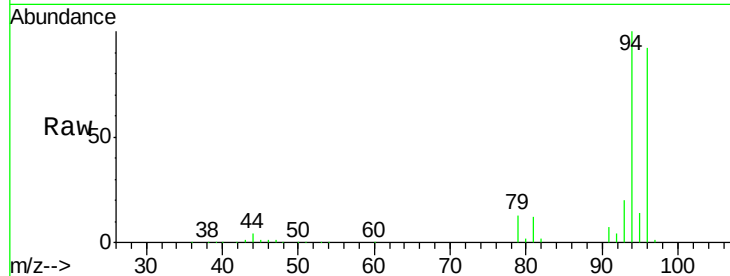
VSTDCCC050EC

Tot Ion: 94 Resp: 256874

Ion Ratio Lower Upper

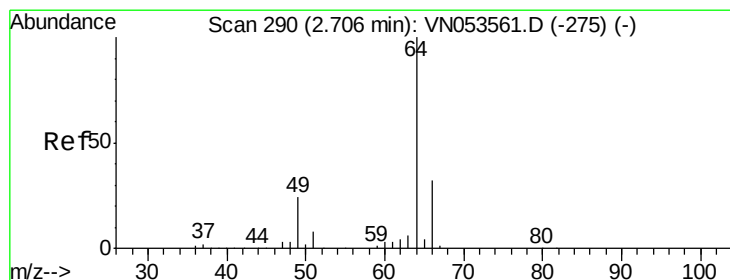
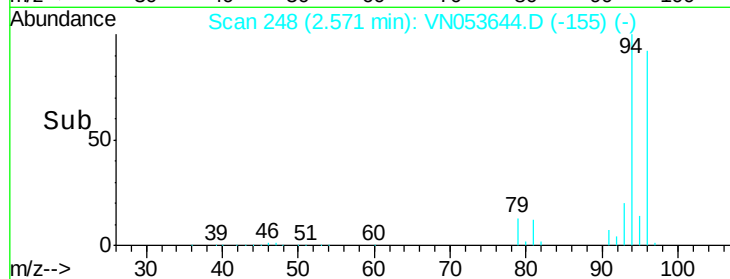
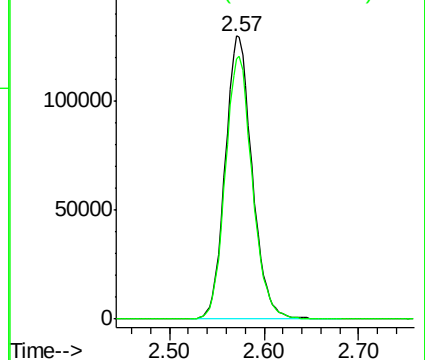
94 100

96 92.1 76.8 115.2



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 50.815 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN053644.D

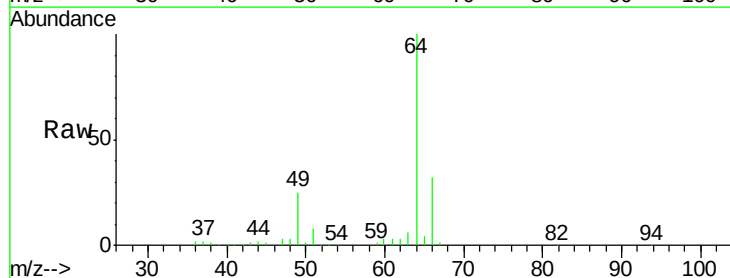
Acq: 6 Feb 2019 19:24

Tgt Ion: 64 Resp: 225626

Ion Ratio Lower Upper

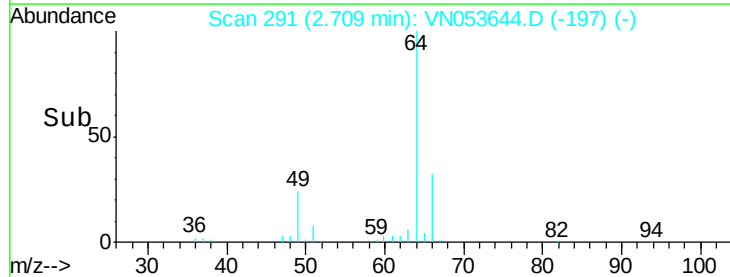
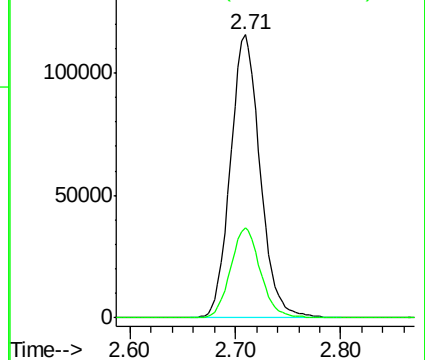
64 100

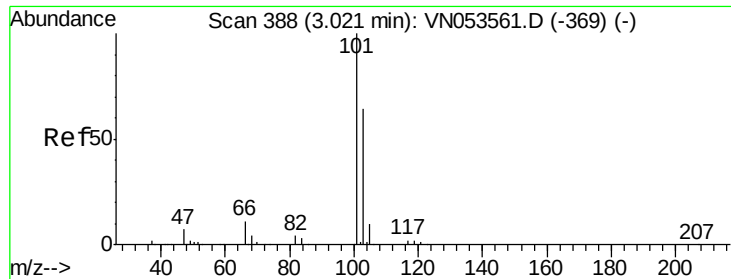
66 31.8 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



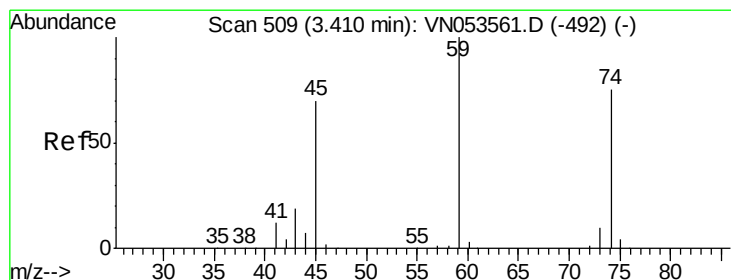
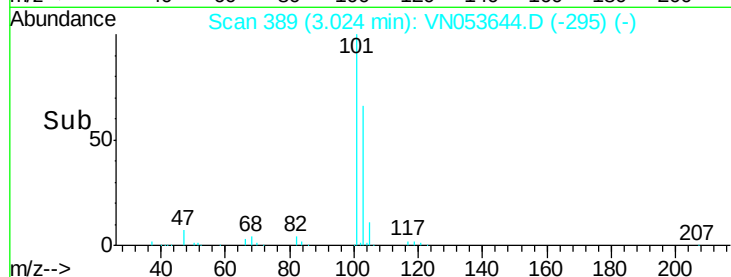
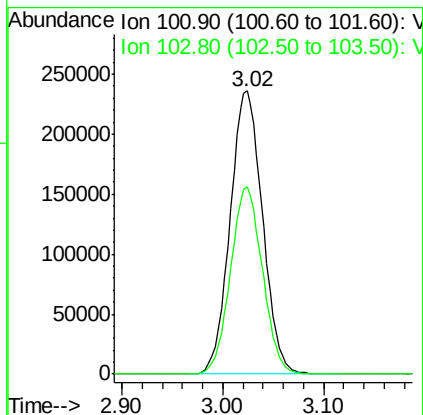
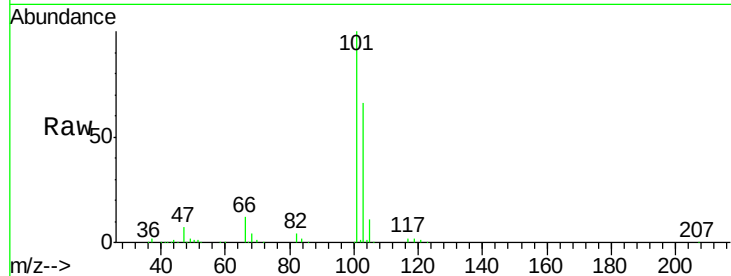


#7

Trichlorofluoromethane
 Concen: 50.008 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VN053644.D
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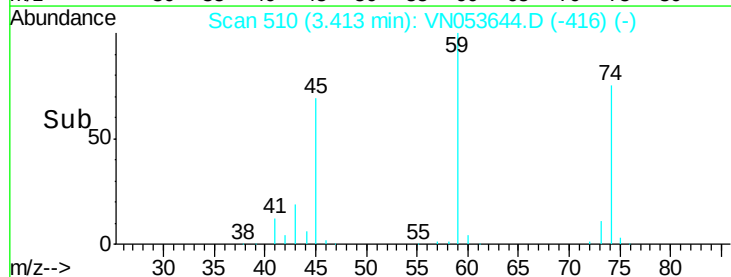
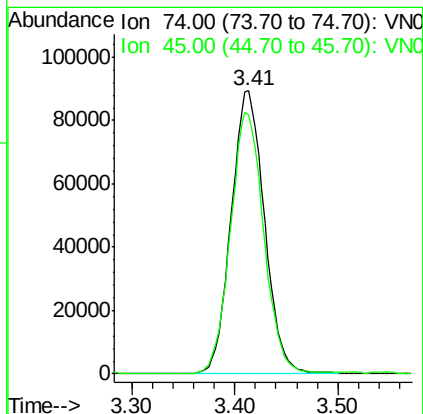
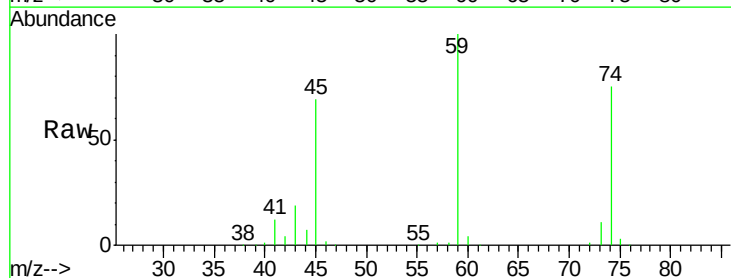
Tot Ion:101 Resp: 526921
 Ion Ratio Lower Upper
 101 100
 103 66.0 51.6 77.4

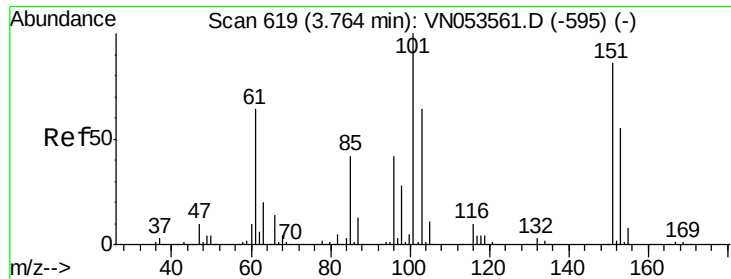


#8

Diethyl Ether
 Concen: 52.255 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN053644.D
 Acq: 6 Feb 2019 19:24

Tgt Ion: 74 Resp: 201078
 Ion Ratio Lower Upper
 74 100
 45 91.8 47.9 143.7

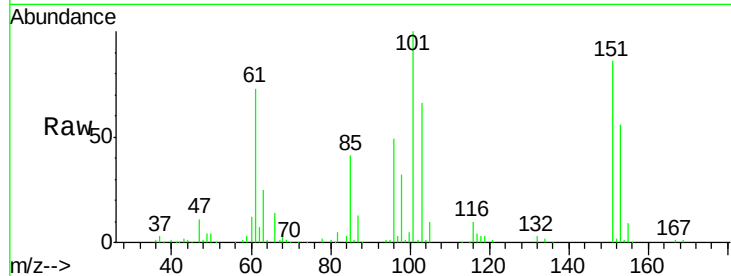




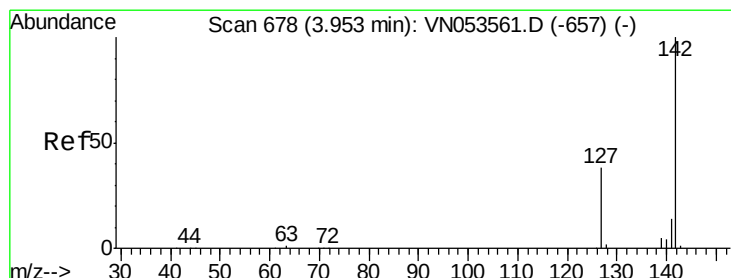
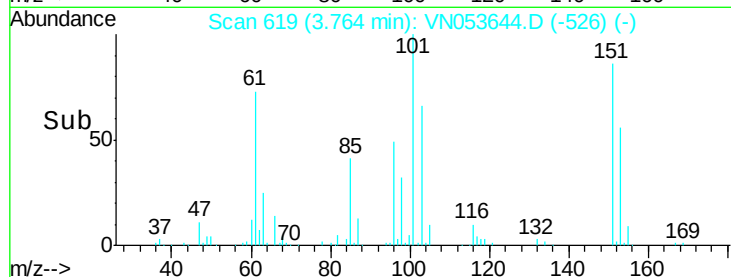
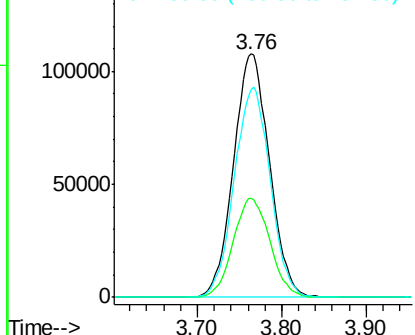
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 49.142 ug/l
 RT: 3.76 min Scan# 619
 Delta R.T. 0.00 min
 Lab File: VN053644.D
 Acq: 6 Feb 2019 19:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
85	41.6	32.8	49.2
151	86.3	66.9	100.3

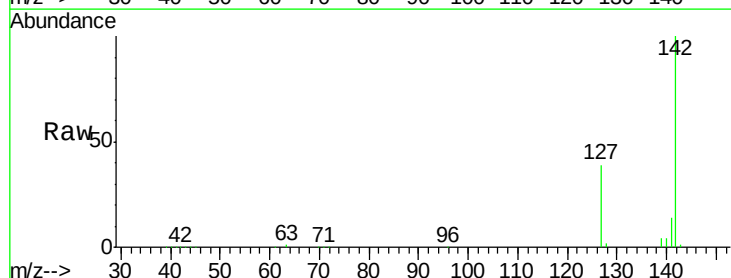


Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 84.90 (84.60 to 85.60): V
 Ion 150.80 (150.50 to 151.50): V

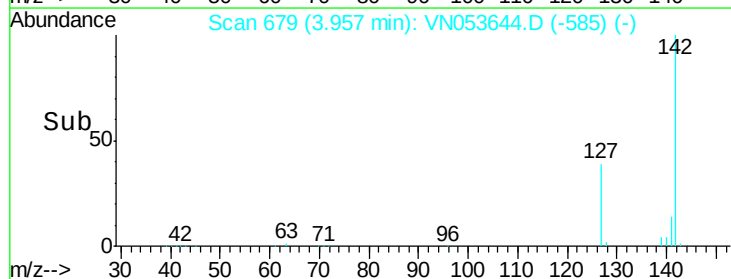
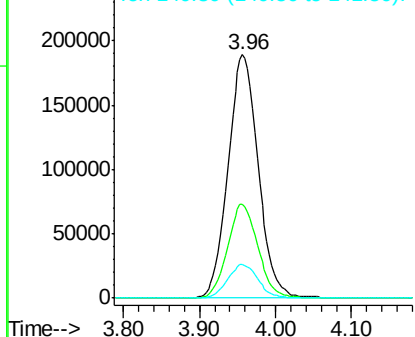


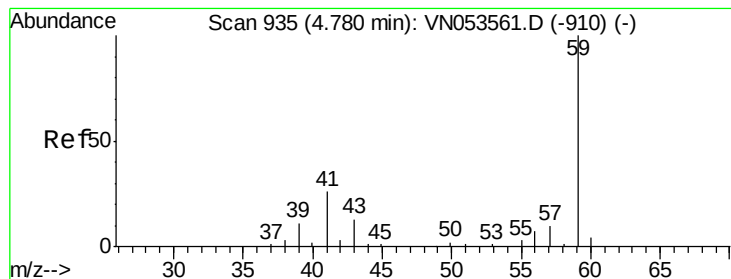
#10
 Methyl Iodide
 Concen: 51.102 ug/l
 RT: 3.96 min Scan# 679
 Delta R.T. 0.00 min
 Lab File: VN053644.D
 Acq: 6 Feb 2019 19:24

Tgt Ion	Ratio	Lower	Upper
142	100		
127	38.7	31.0	46.4
141	14.0	11.1	16.7



Abundance Ion 141.80 (141.50 to 142.50): V
 Ion 126.80 (126.50 to 127.50): V
 Ion 140.80 (140.50 to 141.50): V



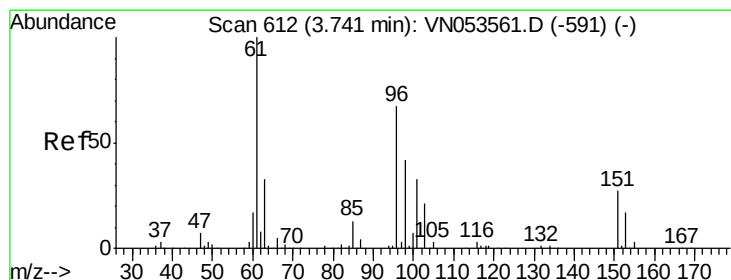
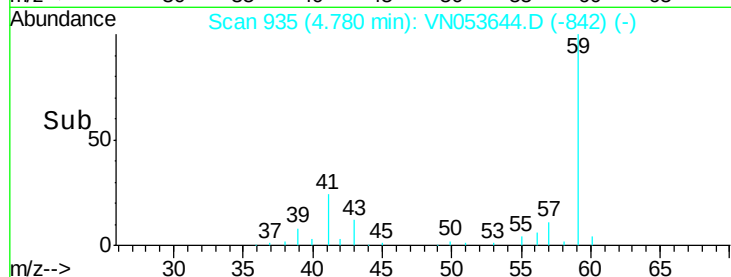
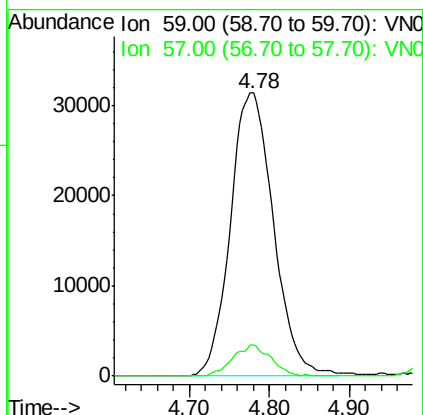
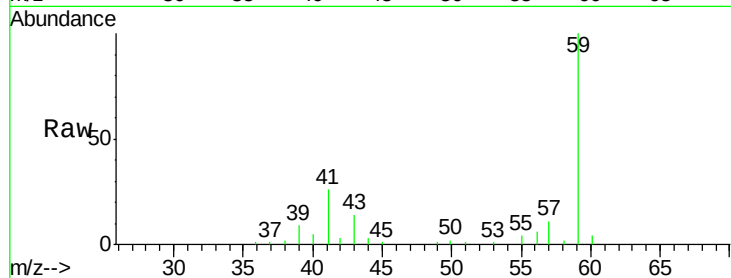


#11

Tert butyl alcohol
 Concen: 286.903 ug/l
 RT: 4.78 min Scan# 935
 Delta R.T. 0.00 min
 Lab File: VN053644.D
 Acq: 6 Feb 2019 19:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

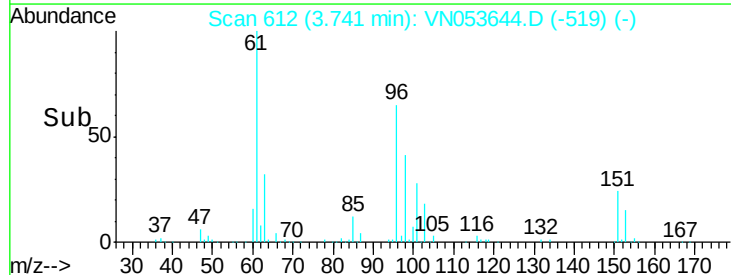
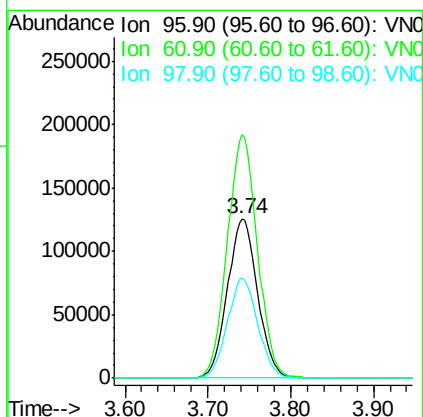
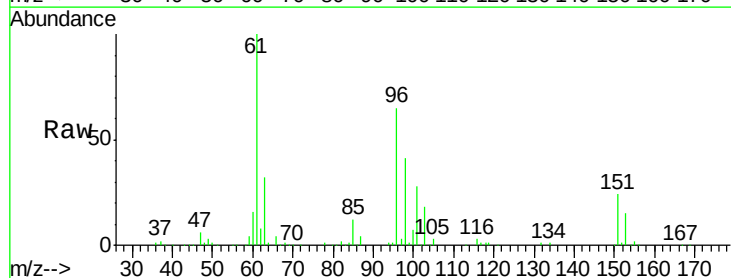
Tot Ion: 59 Resp: 114843
 Ion Ratio Lower Upper
 59 100
 57 9.7 8.2 12.4

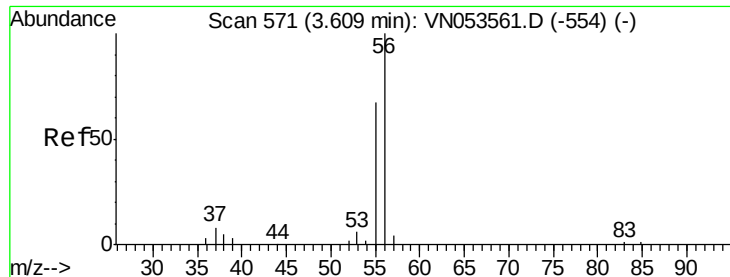


#12

1,1-Dichloroethene
 Concen: 50.995 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. 0.00 min
 Lab File: VN053644.D
 Acq: 6 Feb 2019 19:24

Tgt Ion: 96 Resp: 318375
 Ion Ratio Lower Upper
 96 100
 61 152.8 122.9 184.3
 98 62.9 49.4 74.0





#13

Acrolein

Concen: 362.727 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN053644.D

Acq: 6 Feb 2019 19:24

Instrument :

MSVOA_N

ClientSampleId :

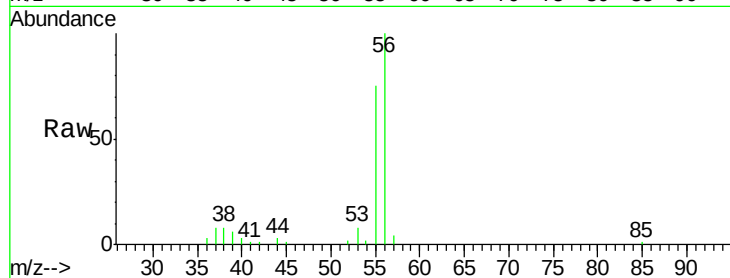
VSTDCCC050EC

Tot Ion: 56 Resp: 79052

Ion Ratio Lower Upper

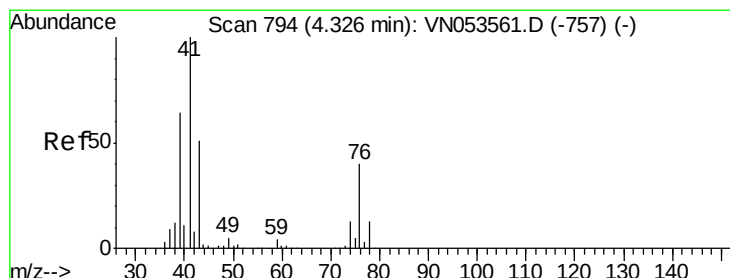
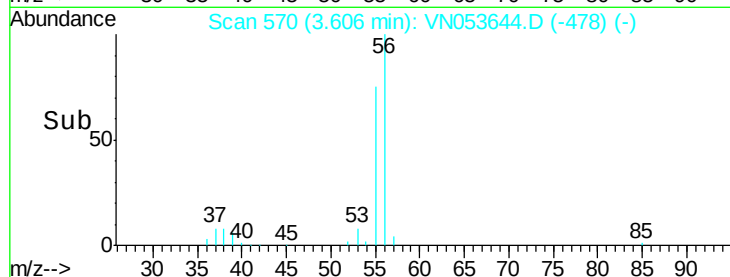
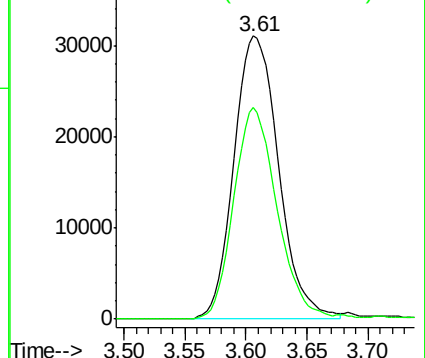
56 100

55 72.2 57.4 86.0



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 48.661 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN053644.D

Acq: 6 Feb 2019 19:24

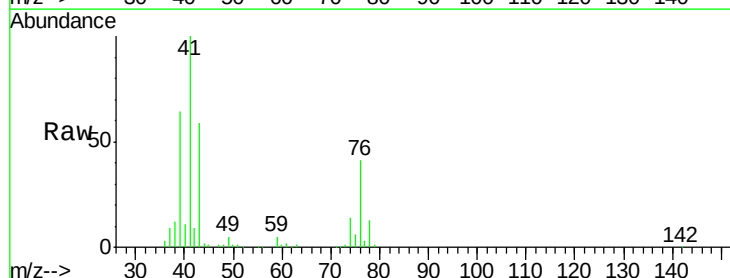
Tgt Ion: 41 Resp: 483721

Ion Ratio Lower Upper

41 100

39 64.5 48.9 73.3

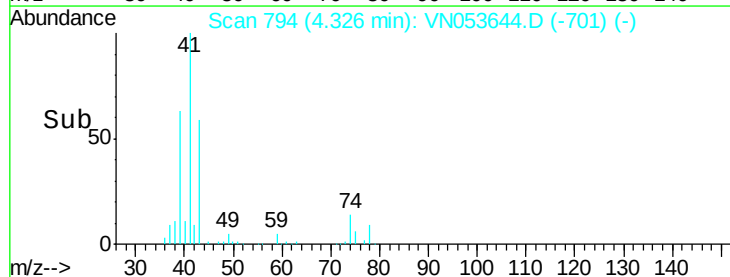
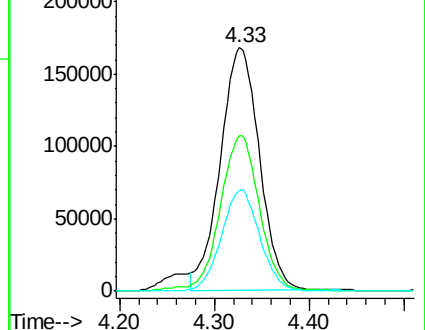
76 40.4 29.4 44.2

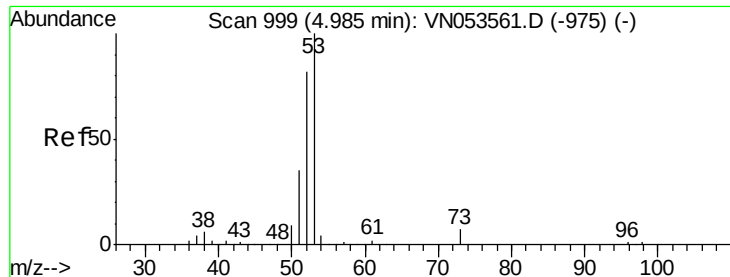


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 280.356 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN053644.D

Acq: 6 Feb 2019 19:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

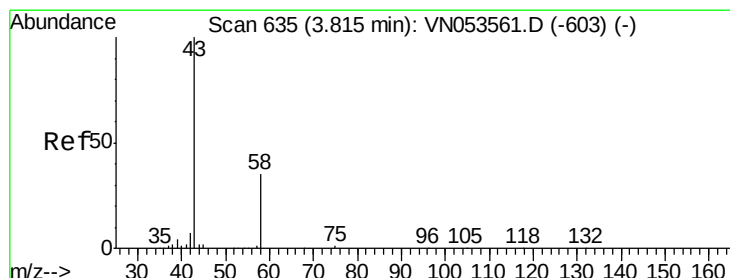
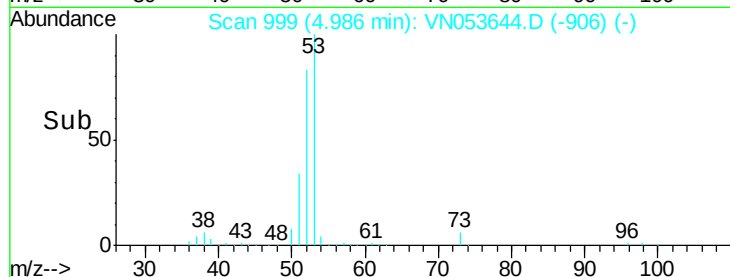
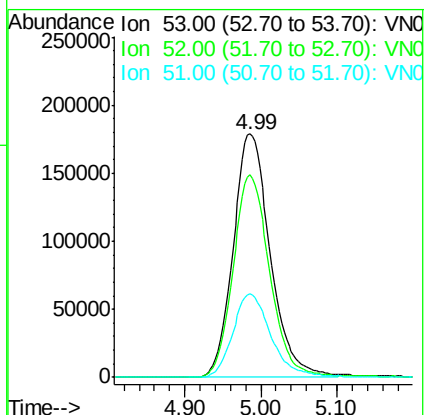
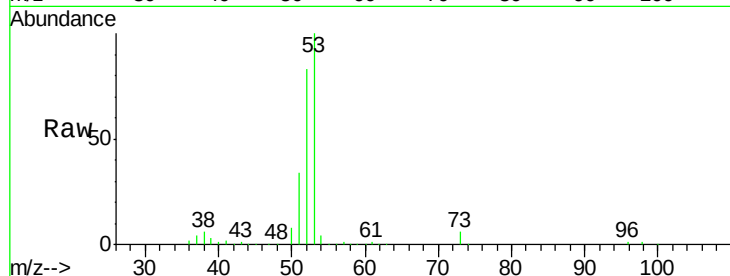
Tot Ion: 53 Resp: 605833

Ion Ratio Lower Upper

53 100

52 82.2 66.0 99.0

51 35.5 28.3 42.5



#16

Acetone

Concen: 239.582 ug/l

RT: 3.82 min Scan# 635

Delta R.T. 0.00 min

Lab File: VN053644.D

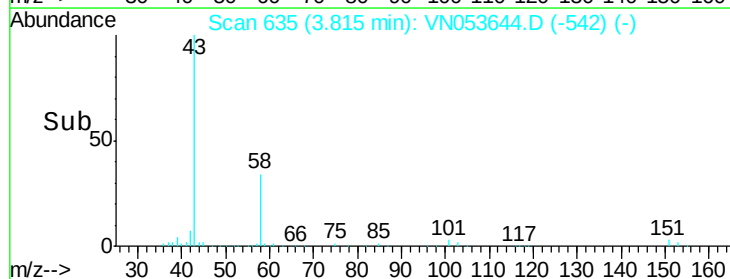
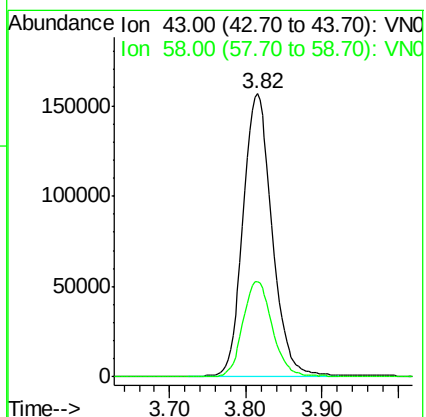
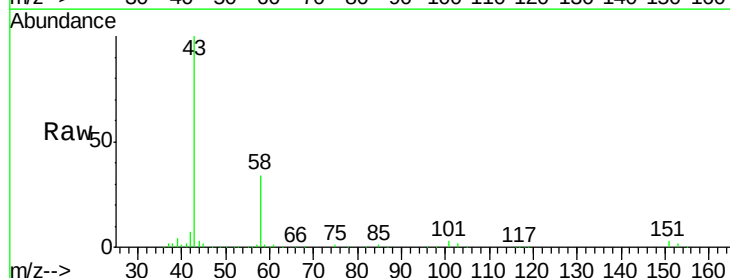
Acq: 6 Feb 2019 19:24

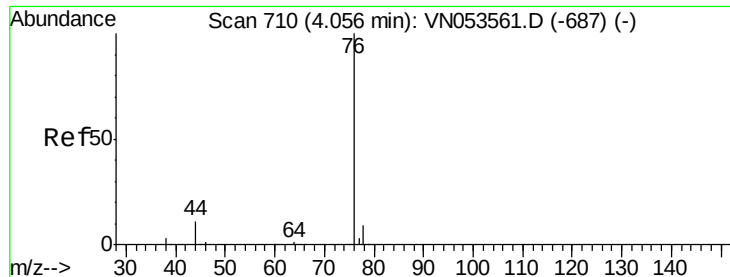
Tgt Ion: 43 Resp: 415645

Ion Ratio Lower Upper

43 100

58 33.8 27.1 40.7





#17

Carbon Disulfide

Concen: 46.382 ug/l

RT: 4.06 min Scan# 710

Delta R.T. 0.00 min

Lab File: VN053644.D

Acq: 6 Feb 2019 19:24

Instrument :

MSVOA_N

ClientSampleId :

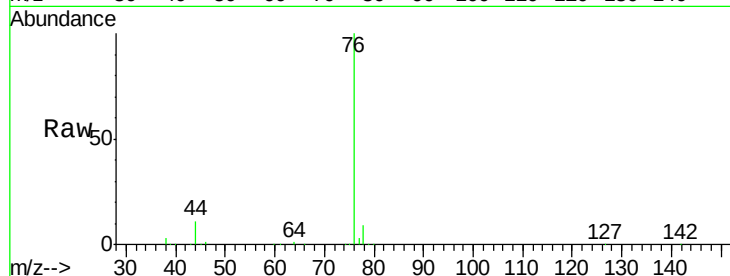
VSTDCCC050EC

Tot Ion: 76 Resp: 901672

Ion Ratio Lower Upper

76 100

78 9.0 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.06

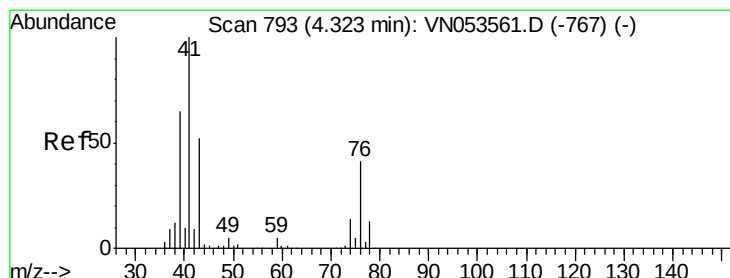
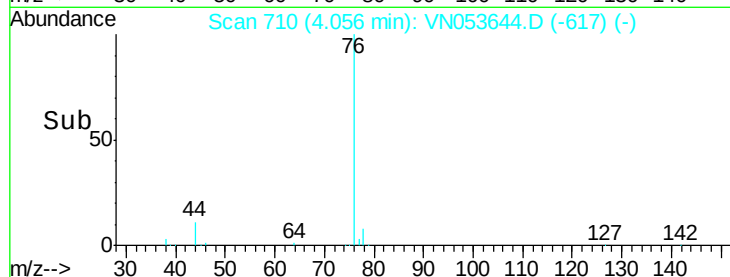
300000

200000

100000

0

Time-->



#18

Methyl Acetate

Concen: 55.750 ug/l

RT: 4.32 min Scan# 793

Delta R.T. 0.00 min

Lab File: VN053644.D

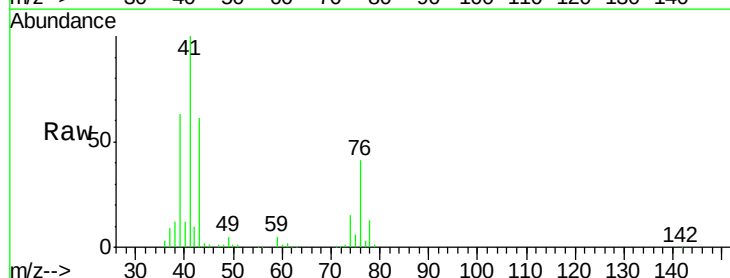
Acq: 6 Feb 2019 19:24

Tgt Ion: 43 Resp: 286439

Ion Ratio Lower Upper

43 100

74 24.8 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.32

120000

100000

80000

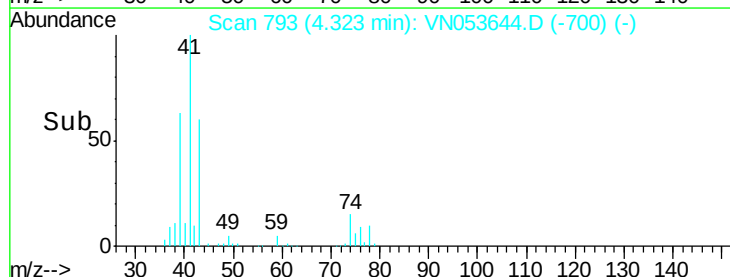
60000

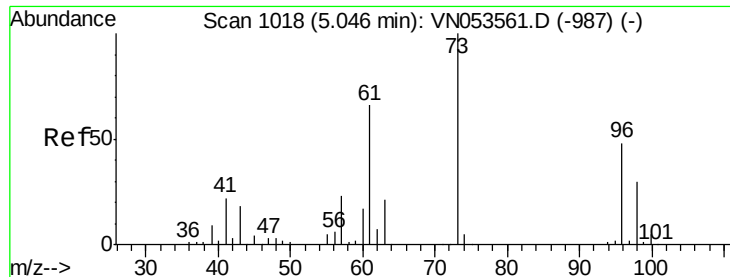
40000

20000

0

Time-->

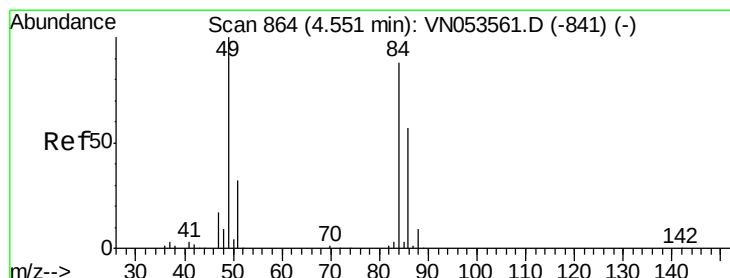
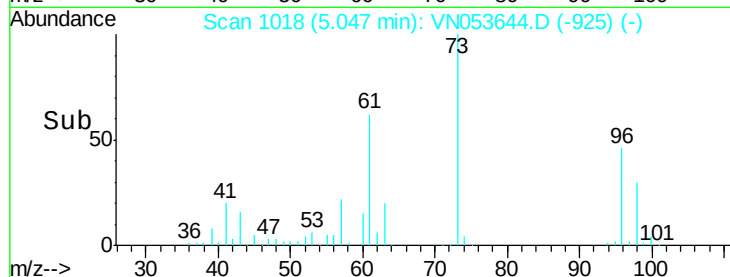
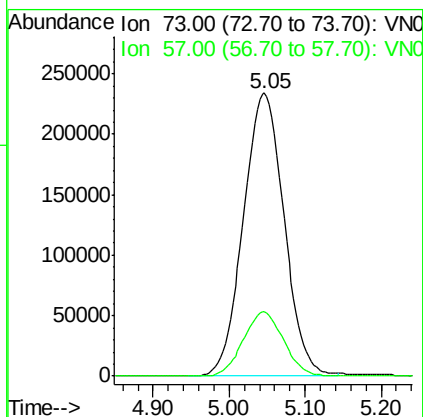
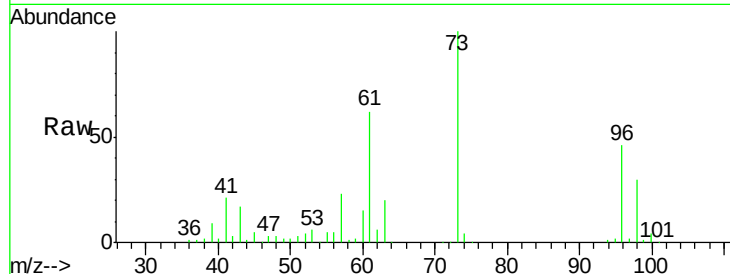




#19
Methyl tert-butyl Ether
Concen: 55.137 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN053644.D
Acq: 6 Feb 2019 19:24

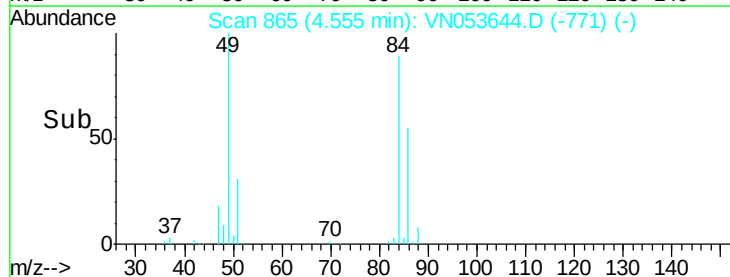
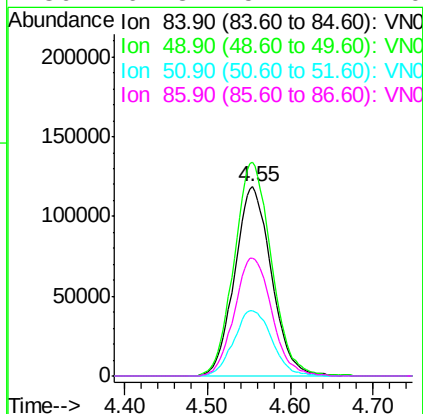
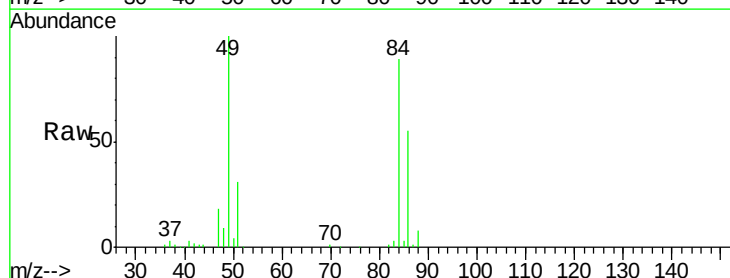
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

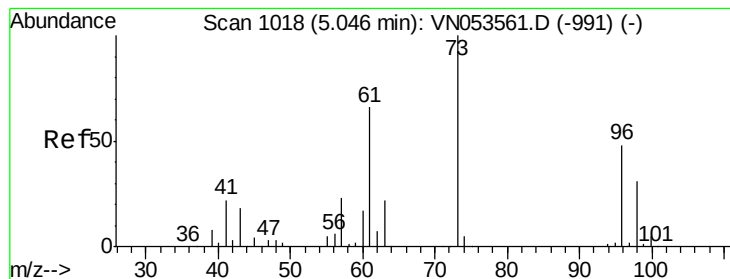
Tot Ion: 73 Resp: 872655
Ion Ratio Lower Upper
73 100
57 22.6 18.3 27.5



#20
Methylene Chloride
Concen: 50.277 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN053644.D
Acq: 6 Feb 2019 19:24

Tgt Ion: 84 Resp: 365941
Ion Ratio Lower Upper
84 100
49 113.0 94.3 141.5
51 34.6 29.4 44.2
86 62.3 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 49.926 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN053644.D

Acq: 6 Feb 2019 19:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

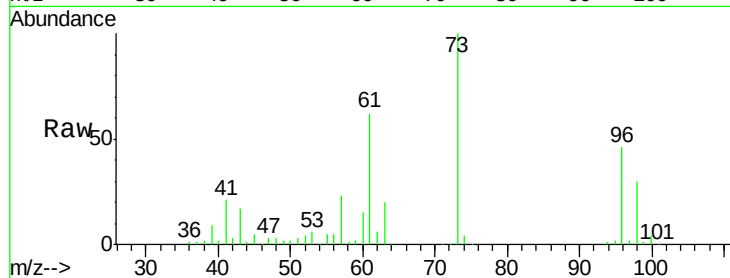
Tot Ion: 96 Resp: 336282

Ion Ratio Lower Upper

96 100

61 134.1 110.1 165.1

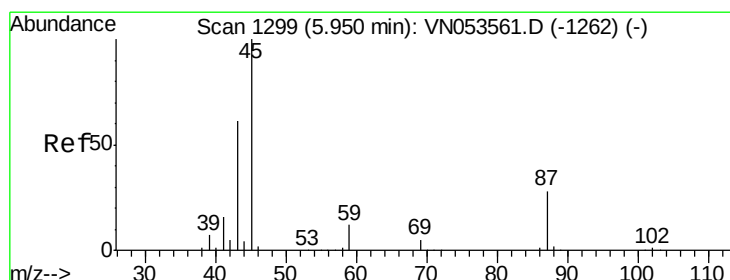
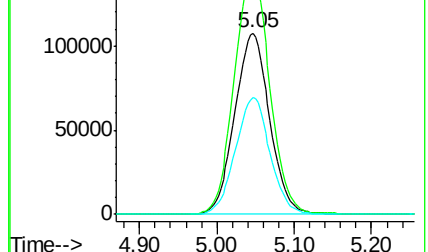
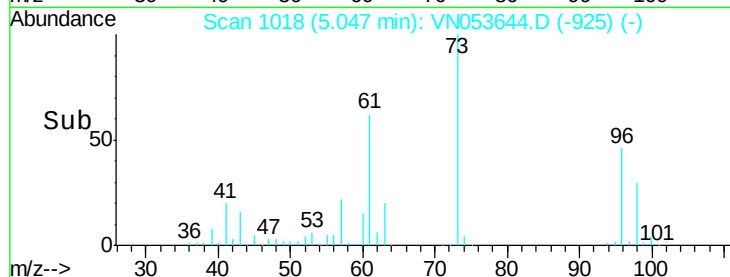
98 64.2 50.0 75.0



Abundance Ion 95.90 (95.60 to 96.60): VN053561.D (-991) (-)

Ion 60.90 (60.60 to 61.60): VN053561.D (-991) (-)

Ion 97.90 (97.60 to 98.60): VN053561.D (-991) (-)



#22

Diisopropyl ether

Concen: 54.149 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN053644.D

Acq: 6 Feb 2019 19:24

Tgt Ion: 45 Resp: 997382

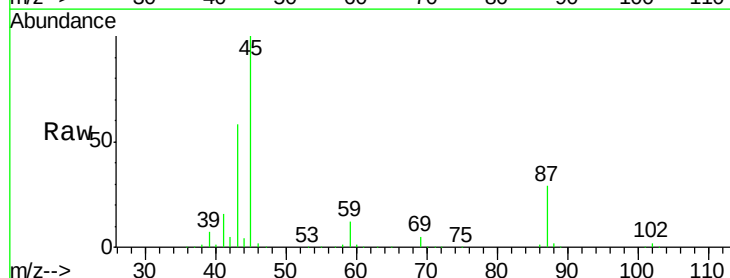
Ion Ratio Lower Upper

45 100

43 56.3 44.2 66.4

87 28.3 22.7 34.1

59 11.9 9.4 14.2

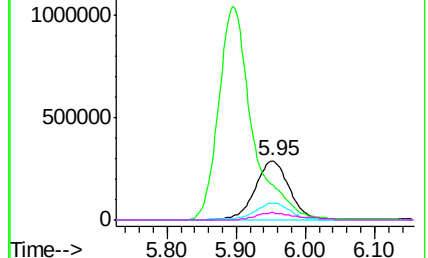
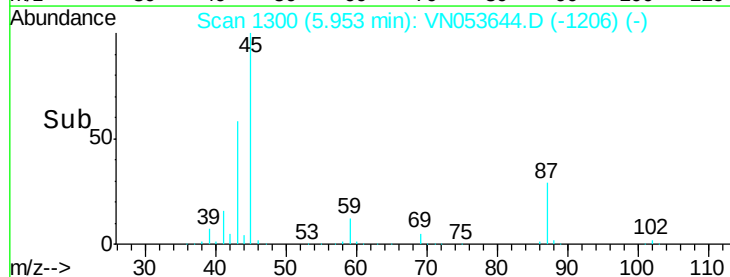


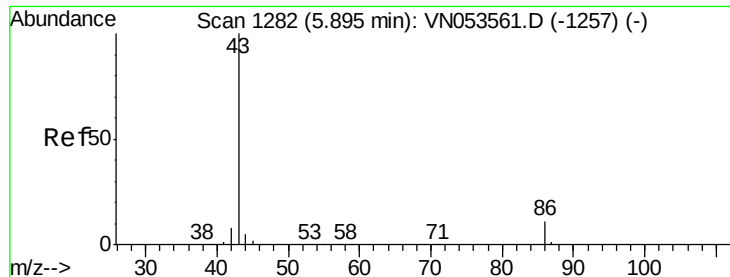
Abundance Ion 45.00 (44.70 to 45.70): VN053561.D (-1262) (-)

Ion 43.00 (42.70 to 43.70): VN053561.D (-1262) (-)

Ion 87.00 (86.70 to 87.70): VN053561.D (-1262) (-)

Ion 59.00 (58.70 to 59.70): VN053561.D (-1262) (-)





#23

Vinyl Acetate

Concen: 278.098 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN053644.D

Acq: 6 Feb 2019 19:24

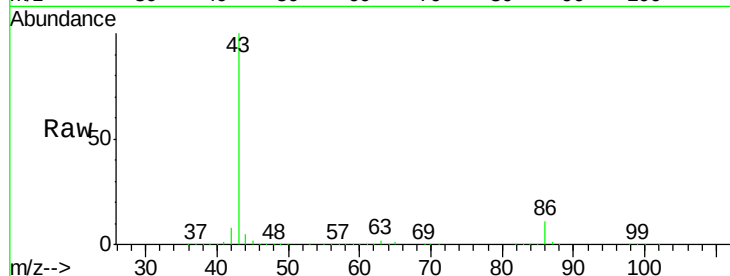
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 3543572

Ion Ratio Lower Upper

43 100

86 11.1 8.4 12.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

1200000

1000000

800000

600000

400000

200000

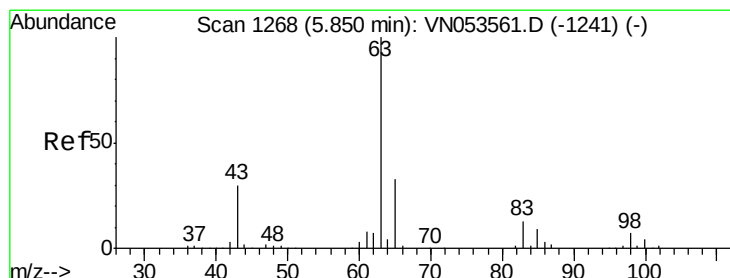
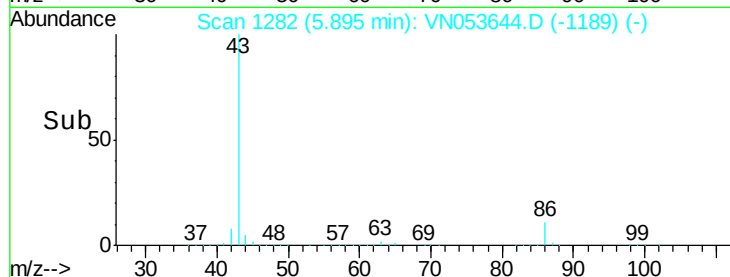
0

5.80

5.90

6.00

Time-->



#24

1,1-Dichloroethane

Concen: 51.560 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN053644.D

Acq: 6 Feb 2019 19:24

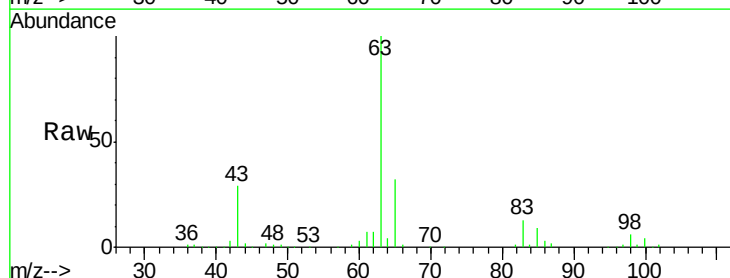
Tgt Ion: 63 Resp: 633437

Ion Ratio Lower Upper

63 100

98 6.2 3.3 9.9

100 4.1 2.1 6.5



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

250000

200000

150000

100000

50000

0

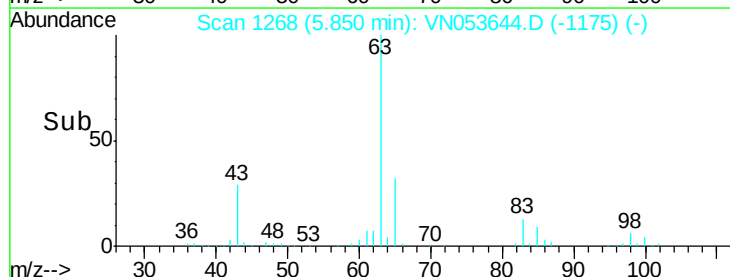
5.70

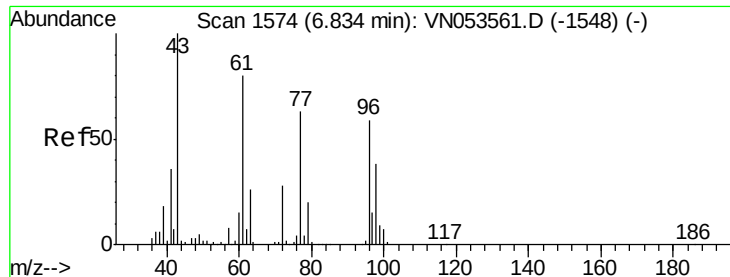
5.80

5.90

6.00

Time-->





#25

2-Butanone

Concen: 266.451 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN053644.D

Acq: 6 Feb 2019 19:24

Instrument :

MSVOA_N

ClientSampleId :

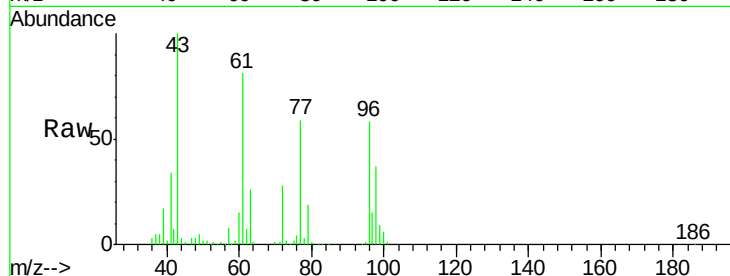
VSTDCCC050EC

Tot Ion: 43 Resp: 659284

Ion Ratio Lower Upper

43 100

72 28.0 22.0 33.0



Abundance Ion 43.00 (42.70 to 43.70): VN053561.D (-1548) (-)

Ion 72.00 (71.70 to 72.70): VN053561.D (-1548) (-)

6.83

250000

200000

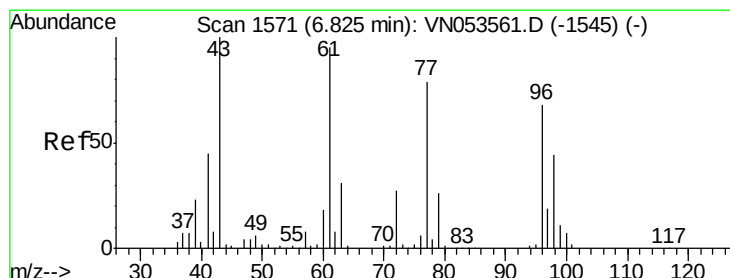
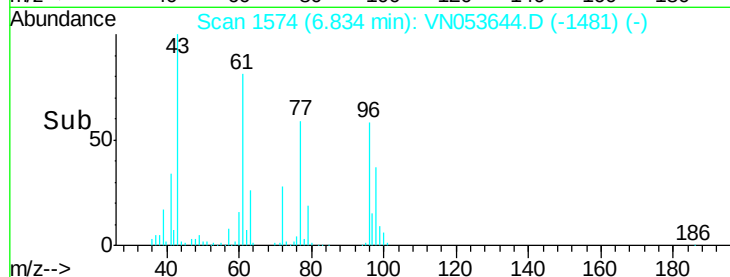
150000

100000

50000

0

Time-->



#26

2,2-Dichloropropane

Concen: 48.811 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN053644.D

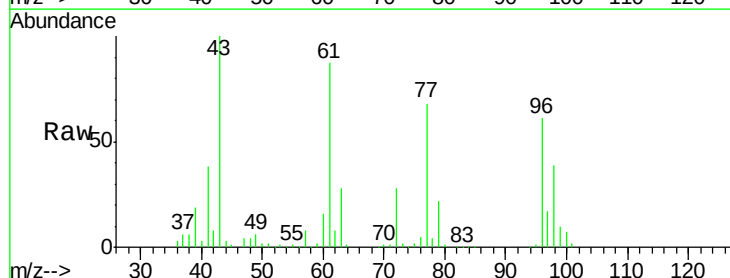
Acq: 6 Feb 2019 19:24

Tgt Ion: 77 Resp: 457766

Ion Ratio Lower Upper

77 100

97 24.9 12.2 36.6



Abundance Ion 76.90 (76.60 to 77.60): VN053561.D (-1545) (-)

Ion 96.90 (96.60 to 97.60): VN053561.D (-1545) (-)

6.83

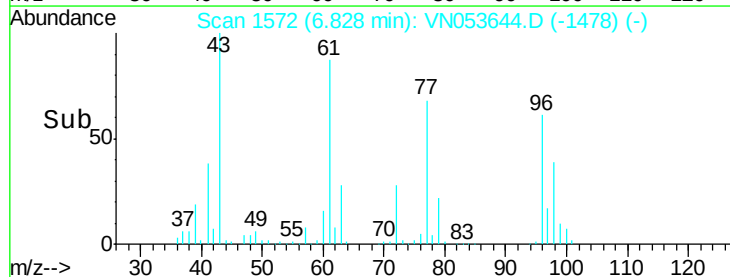
150000

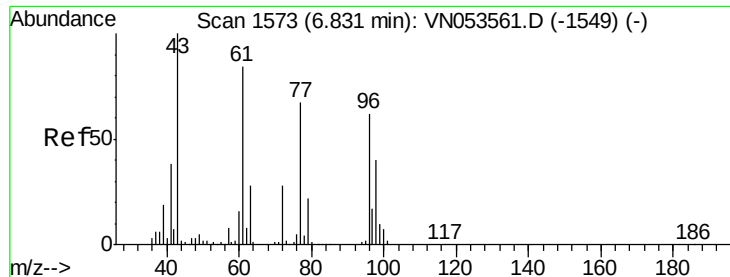
100000

50000

0

Time-->





#27

cis-1,2-Dichloroethene

Concen: 51.711 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN053644.D

Acq: 6 Feb 2019 19:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

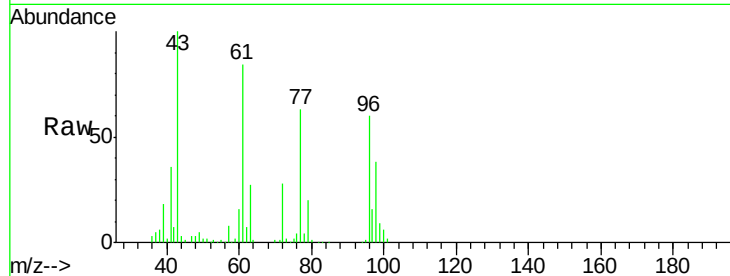
Tot Ion: 96 Resp: 387308

Ion Ratio Lower Upper

96 100

61 140.3 0.0 283.8

98 65.2 0.0 129.2

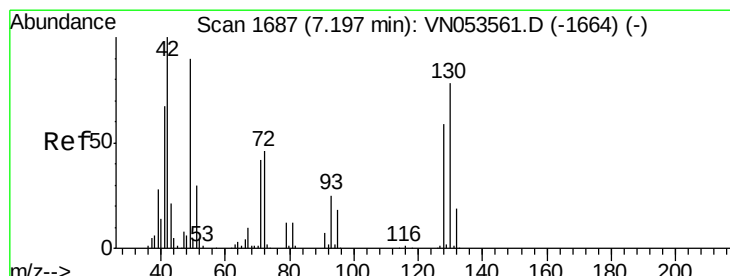
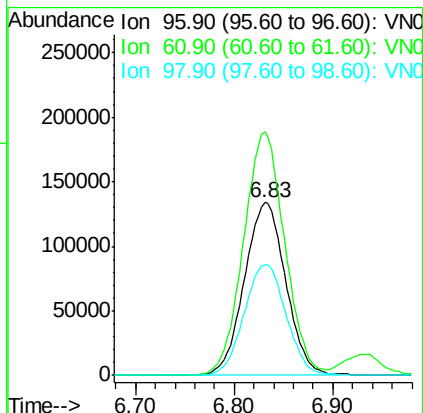
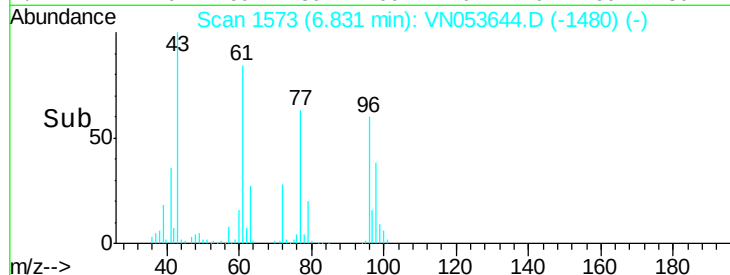


Abundance Ion 95.90 (95.60 to 96.60): VN053561.D (-1549) (-)

Ion 60.90 (60.60 to 61.60): VN053561.D (-1549) (-)

Ion 97.90 (97.60 to 98.60): VN053561.D (-1549) (-)

Time-->



#28

Bromochloromethane

Concen: 51.503 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN053644.D

Acq: 6 Feb 2019 19:24

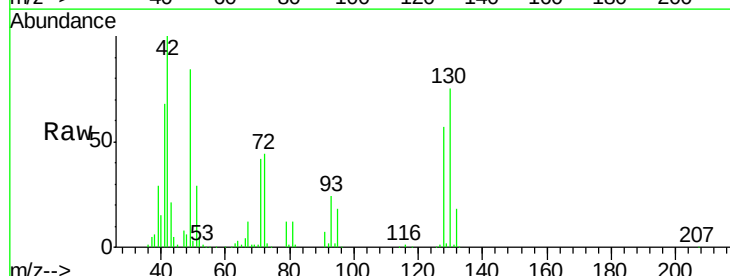
Tgt Ion: 49 Resp: 274582

Ion Ratio Lower Upper

49 100

129 2.1 0.0 4.0

130 86.2 66.3 99.5

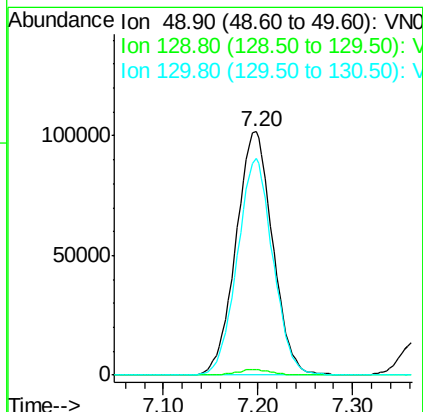
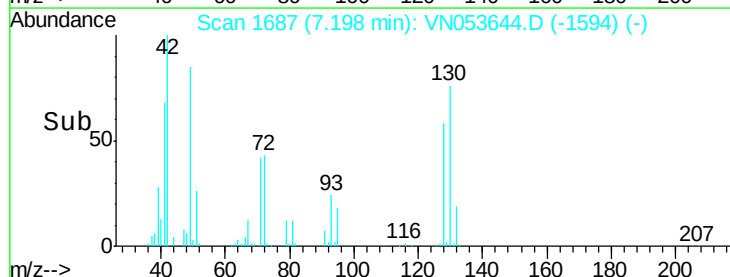


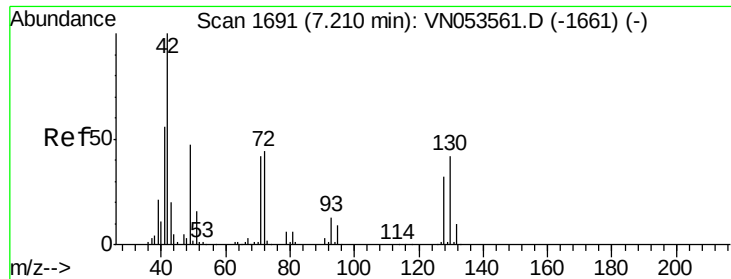
Abundance Ion 48.90 (48.60 to 49.60): VN053561.D (-1664) (-)

Ion 128.80 (128.50 to 129.50): VN053561.D (-1664) (-)

Ion 129.80 (129.50 to 130.50): VN053561.D (-1664) (-)

Time-->

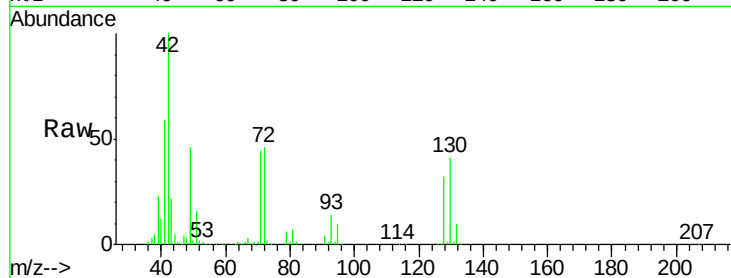




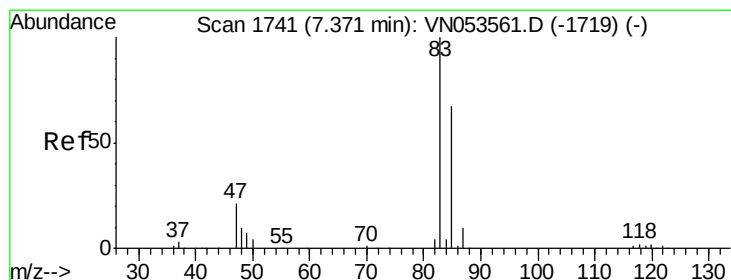
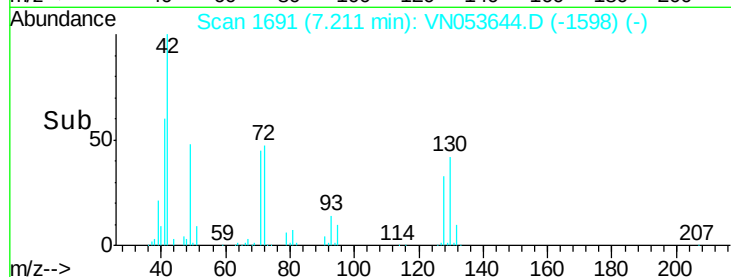
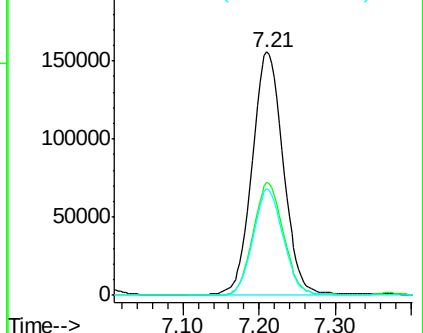
#29
Tetrahydrofuran
Concen: 278.038 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN053644.D
Acq: 6 Feb 2019 19:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 42 Resp: 441755
Ion Ratio Lower Upper
42 100
72 45.6 35.2 52.8
71 42.6 33.0 49.4

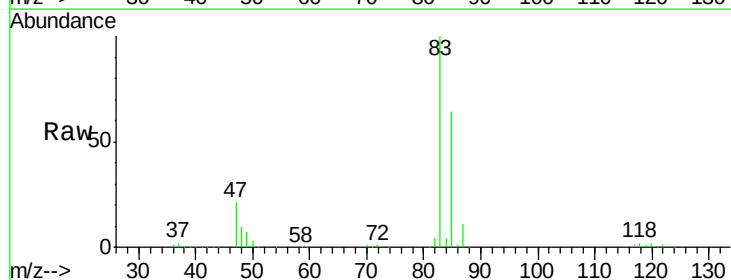


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

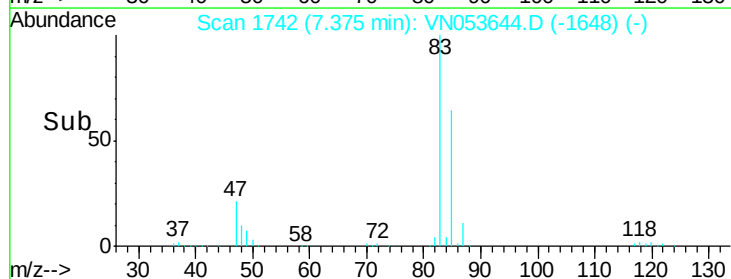
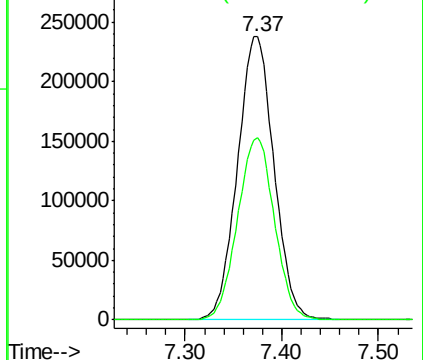


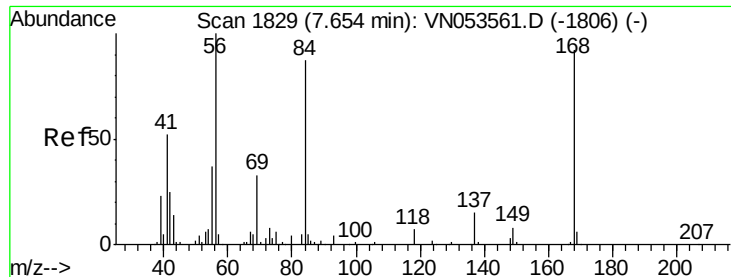
#30
Chloroform
Concen: 51.226 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN053644.D
Acq: 6 Feb 2019 19:24

Tgt Ion: 83 Resp: 623863
Ion Ratio Lower Upper
83 100
85 64.4 52.2 78.2



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0

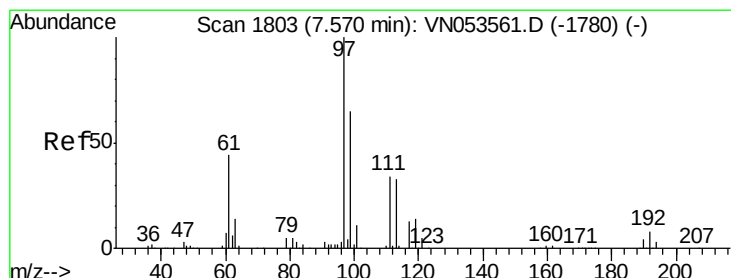
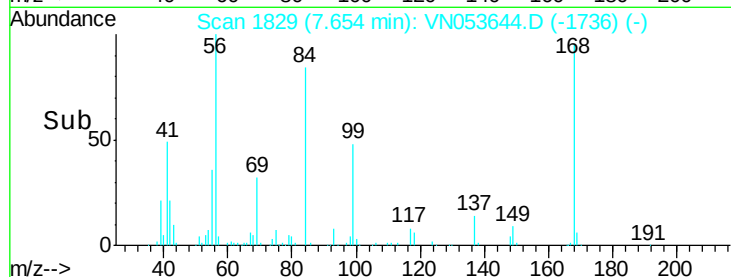
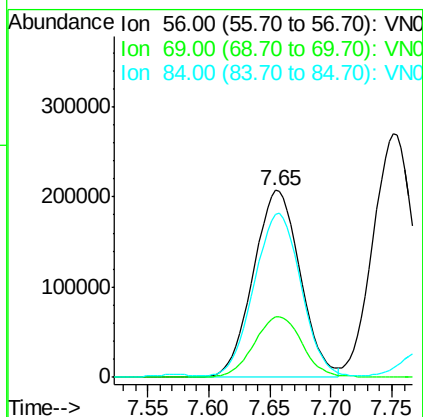
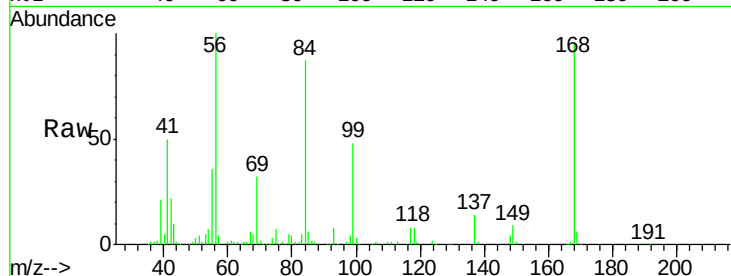




#31
Cyclohexane
Concen: 48.520 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN053644.D
Acq: 6 Feb 2019 19:24

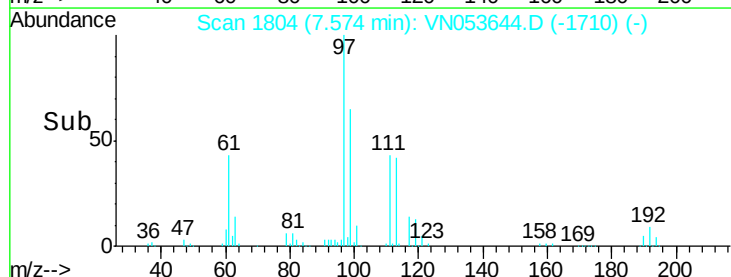
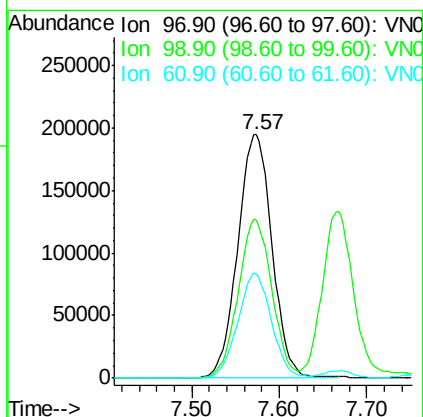
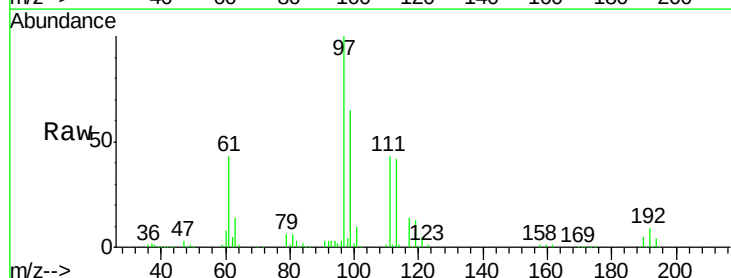
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

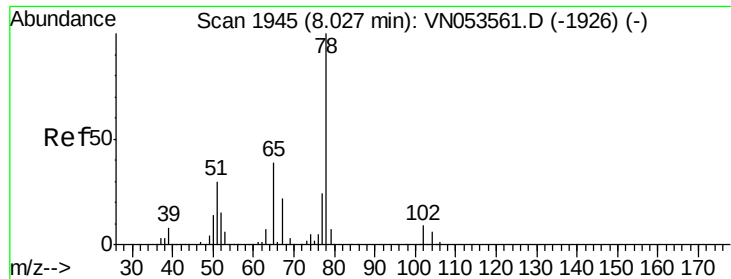
Tot Ion: 56 Resp: 555041
Ion Ratio Lower Upper
56 100
69 32.2 26.4 39.6
84 86.2 67.9 101.9



#32
1,1,1-Trichloroethane
Concen: 52.196 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VN053644.D
Acq: 6 Feb 2019 19:24

Tgt Ion: 97 Resp: 529013
Ion Ratio Lower Upper
97 100
99 64.1 52.0 78.0
61 42.2 34.4 51.6

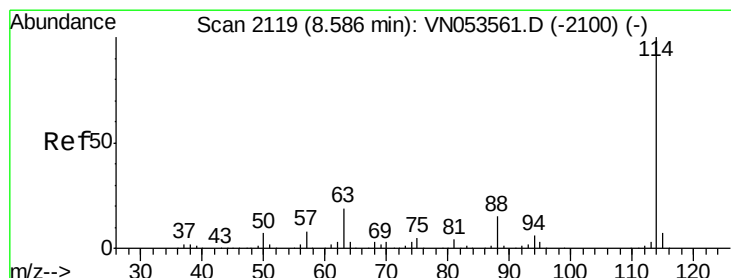
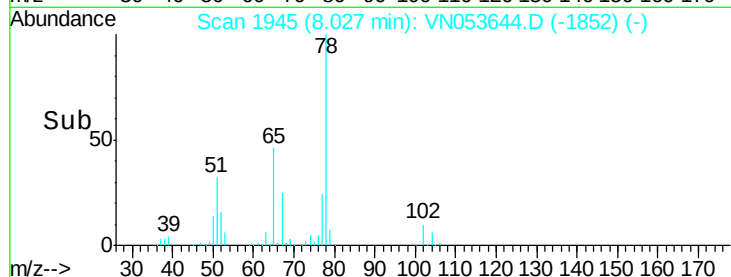
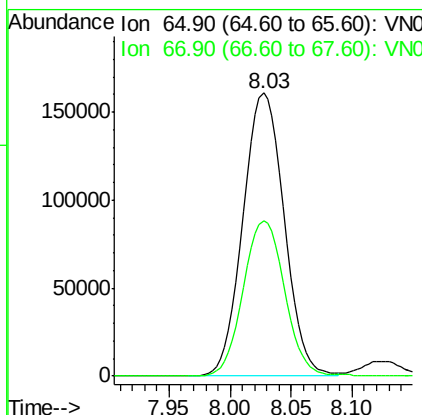
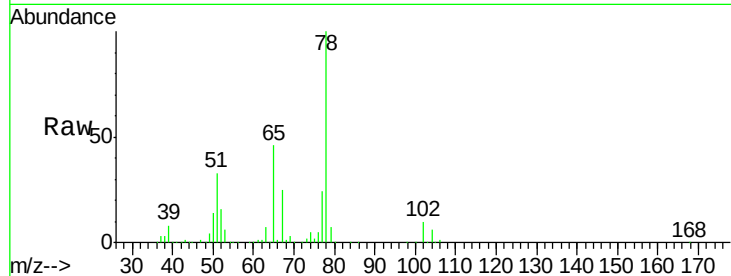




#33
 1,2-Dichloroethane-d4
 Concen: 52.196 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN053644.D
 Acq: 6 Feb 2019 19:24

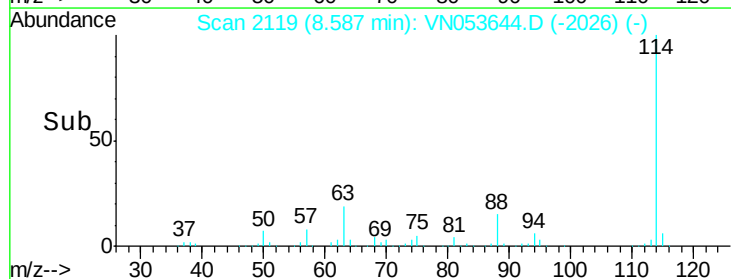
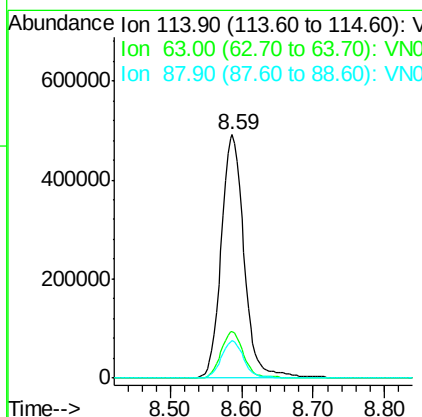
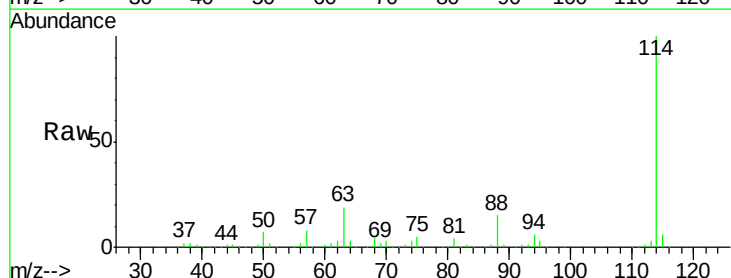
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

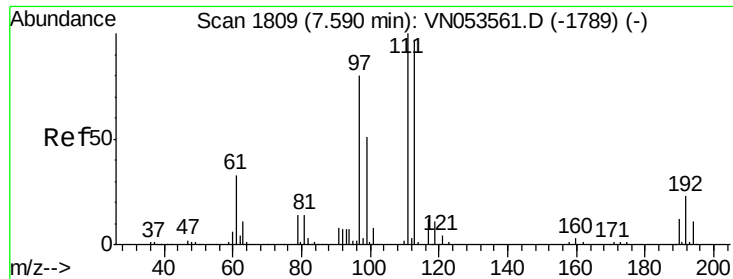
Tot Ion: 65 Resp: 376979
 Ion Ratio Lower Upper
 65 100
 67 55.2 0.0 111.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053644.D
 Acq: 6 Feb 2019 19:24

Tgt Ion: 114 Resp: 1095219
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 38.6
 88 15.3 0.0 30.4

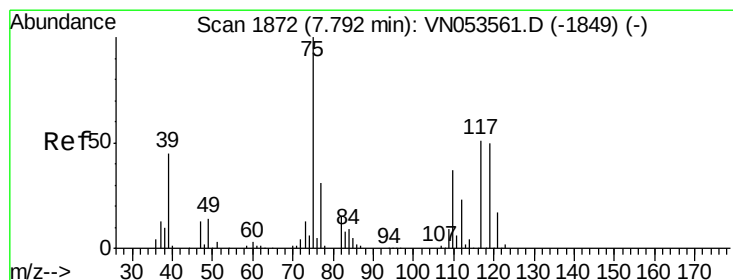
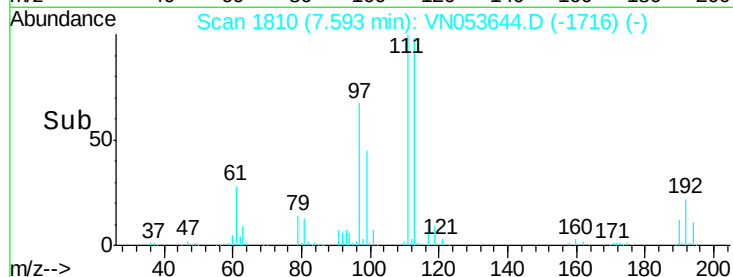
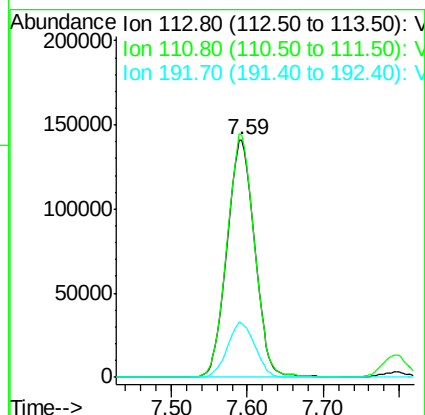
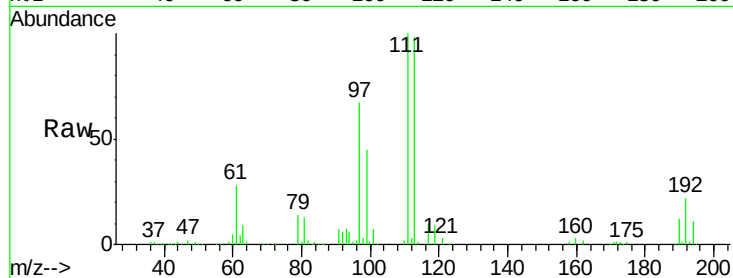




#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VN053644.D
Acq: 6 Feb 2019 19:24

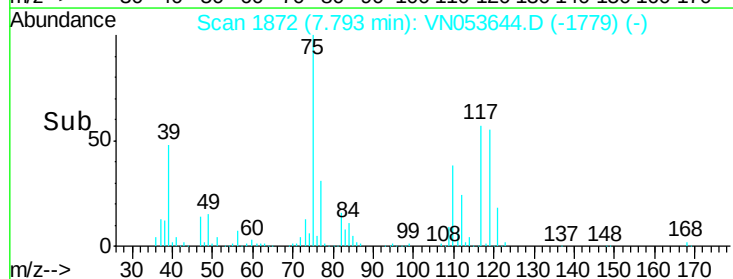
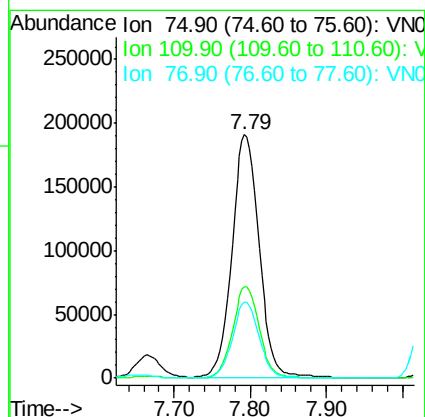
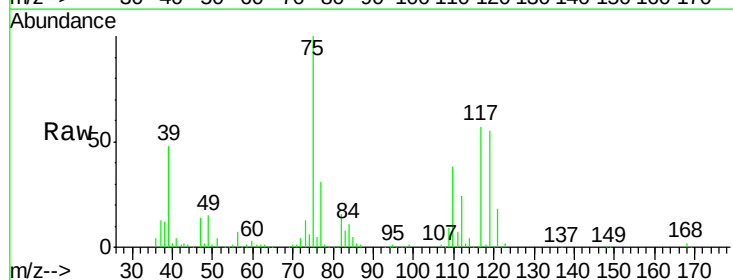
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

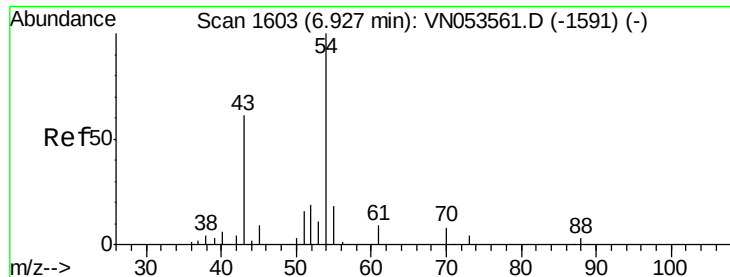
Tot Ion:113 Resp: 359346
Ion Ratio Lower Upper
113 100
111 101.2 81.1 121.7
192 23.1 18.2 27.2



#36
1,1-Dichloropropene
Concen: 47.951 ug/l
RT: 7.79 min Scan# 1872
Delta R.T. 0.00 min
Lab File: VN053644.D
Acq: 6 Feb 2019 19:24

Tgt Ion: 75 Resp: 473405
Ion Ratio Lower Upper
75 100
110 37.3 18.1 54.3
77 31.2 25.1 37.7

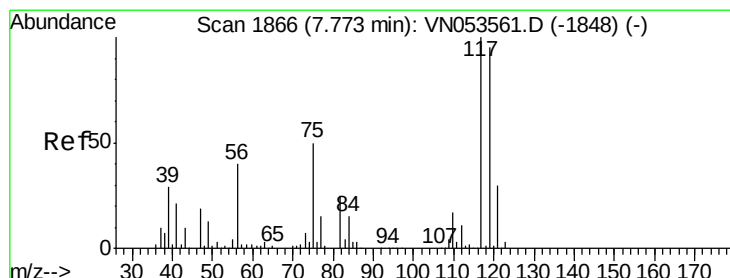
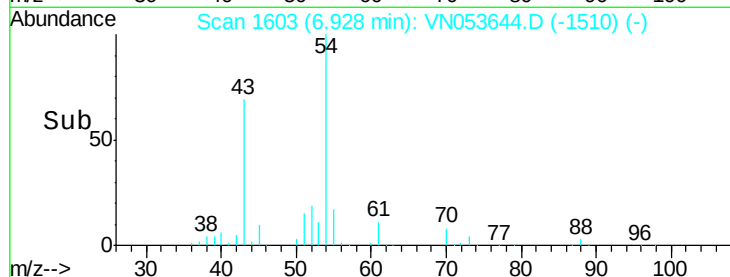
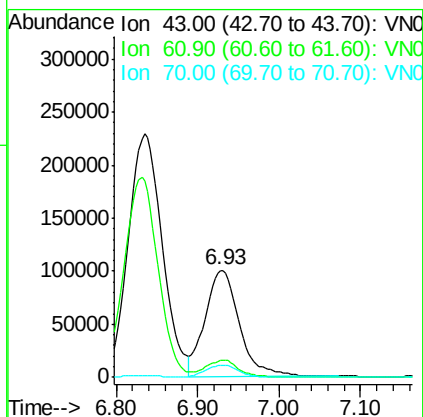
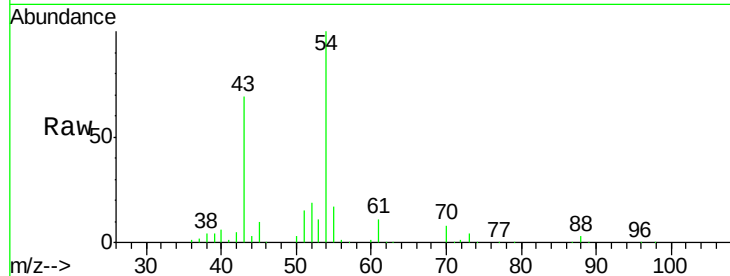




#37
Ethyl Acetate
Concen: 53.723 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VN053644.D
Acq: 6 Feb 2019 19:24

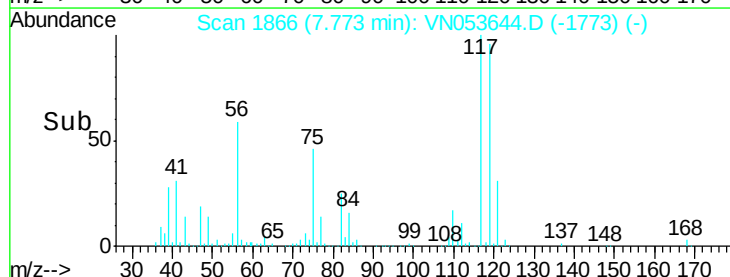
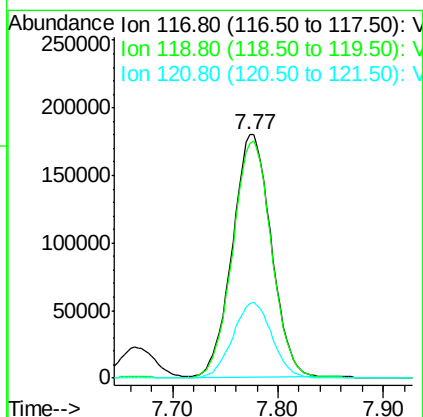
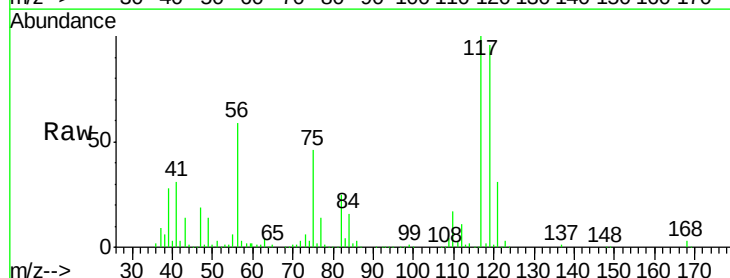
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

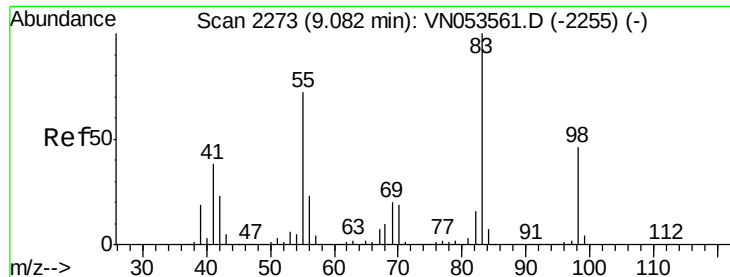
Tot Ion: 43 Resp: 296224
Ion Ratio Lower Upper
43 100
61 15.3 11.8 17.6
70 11.0 8.6 12.8



#38
Carbon Tetrachloride
Concen: 46.205 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN053644.D
Acq: 6 Feb 2019 19:24

Tgt Ion: 117 Resp: 459544
Ion Ratio Lower Upper
117 100
119 96.7 77.2 115.8
121 31.0 24.6 37.0

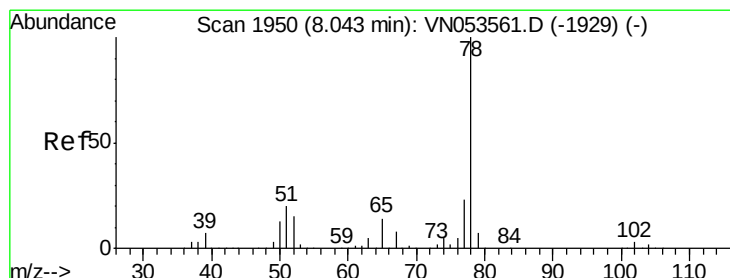
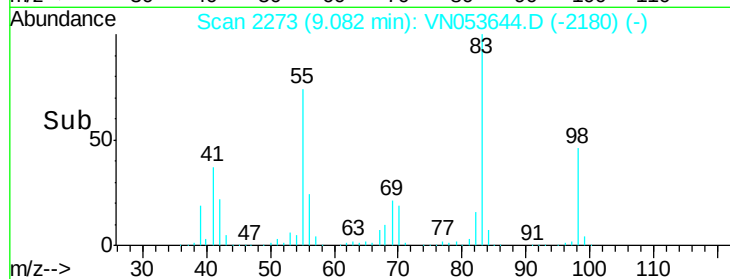
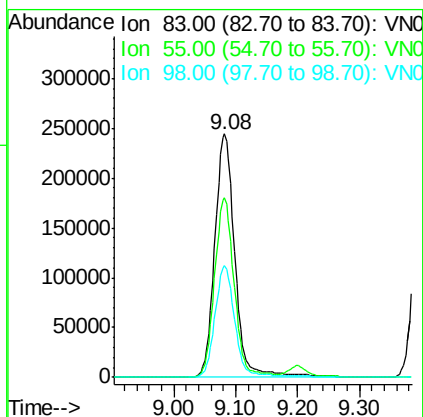
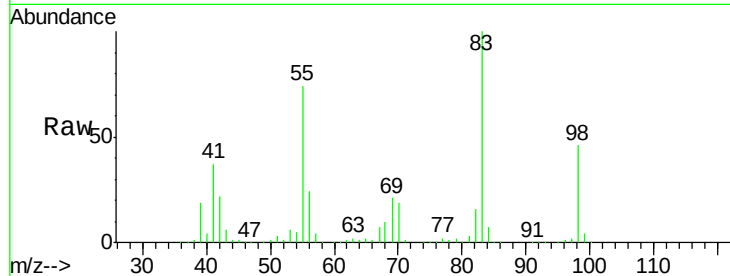




#39
Methylvlcyclohexane
Concen: 47.300 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN053644.D
Acq: 6 Feb 2019 19:24

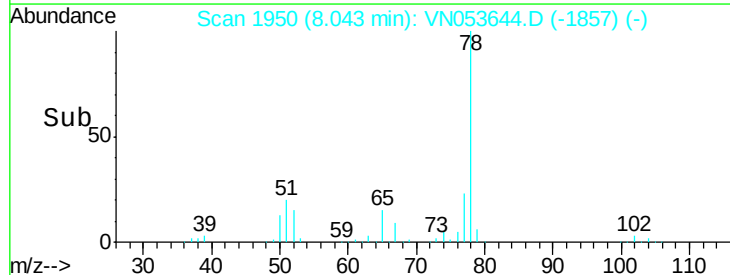
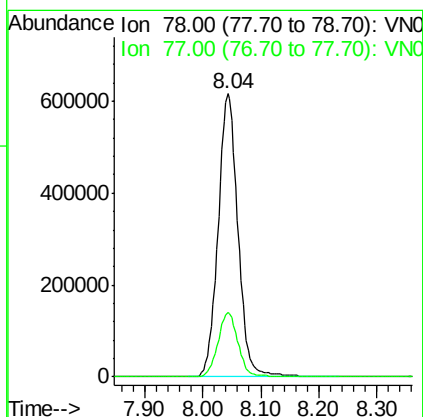
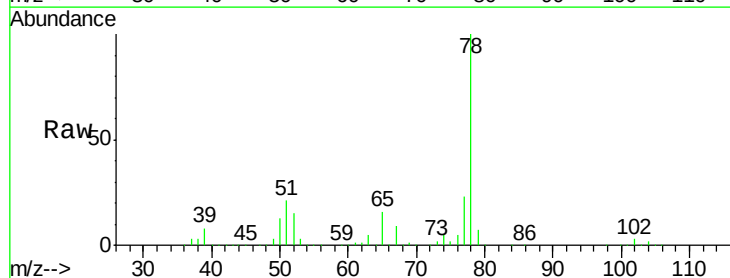
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

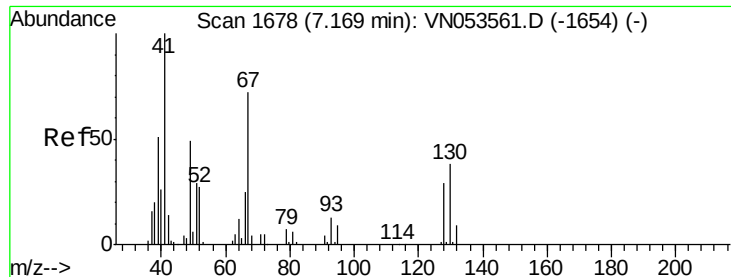
Tot Ion: 83 Resp: 554018
Ion Ratio Lower Upper
83 100
55 73.9 60.1 90.1
98 45.7 36.6 55.0



#40
Benzene
Concen: 47.938 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053644.D
Acq: 6 Feb 2019 19:24

Tgt Ion: 78 Resp: 1459469
Ion Ratio Lower Upper
78 100
77 22.8 18.8 28.2

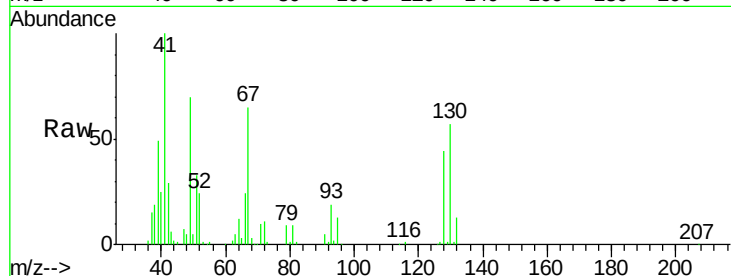




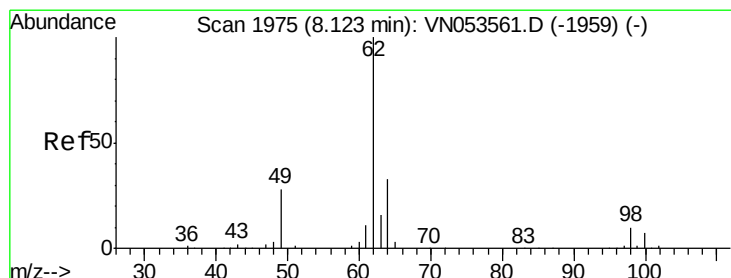
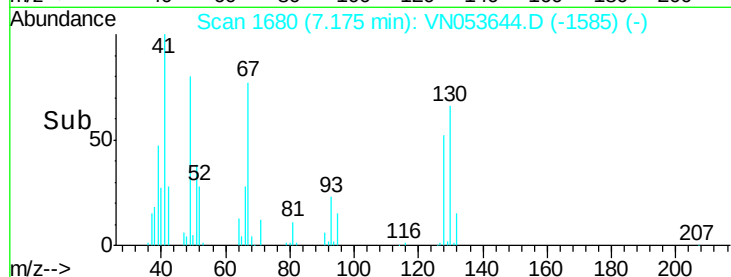
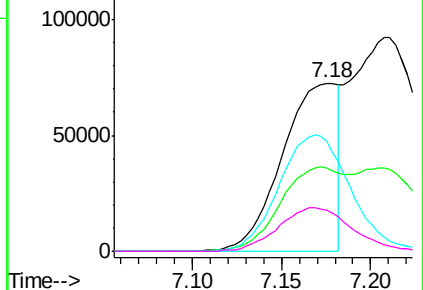
#41
Methacrylonitrile
Concen: 50.919 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.01 min
Lab File: VN053644.D
Acq: 6 Feb 2019 19:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:	41	Resp:	156919
Ion	Ratio	Lower	Upper
41	100		
39	58.9	46.8	70.2
67	90.0	63.0	94.6
52	33.4	23.8	35.8

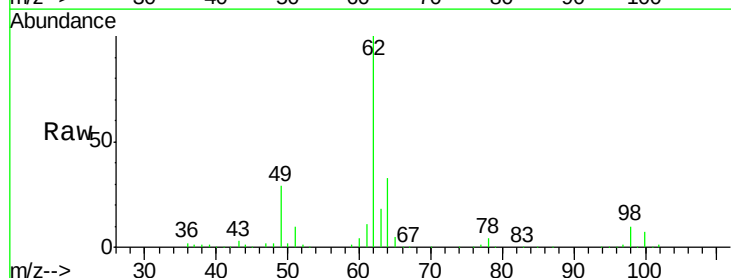


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

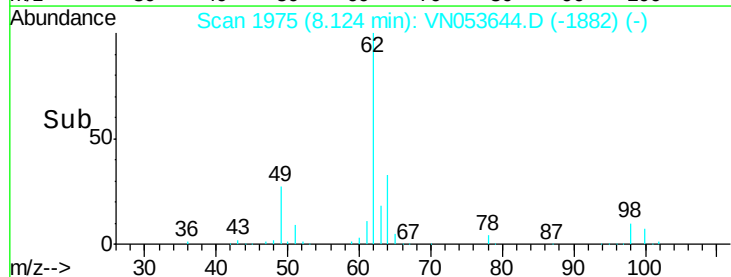
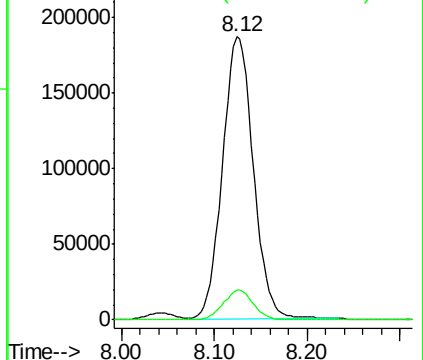


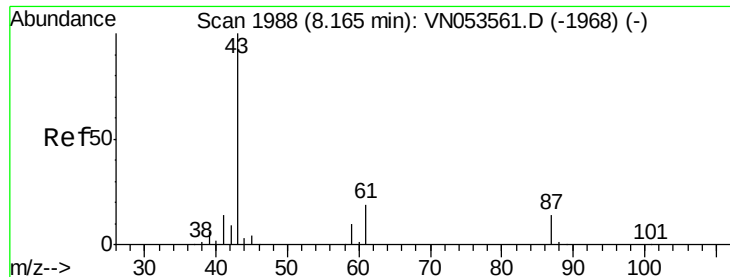
#42
1,2-Dichloroethane
Concen: 47.736 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN053644.D
Acq: 6 Feb 2019 19:24

Tgt Ion:	62	Resp:	431524
Ion	Ratio	Lower	Upper
62	100		
98	10.3	0.0	19.6



Abundance Ion 61.90 (61.60 to 62.60): VNO
Ion 97.90 (97.60 to 98.60): VNO





#43

Isopropyl Acetate

Concen: 49.788 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VN053644.D

Acq: 6 Feb 2019 19:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

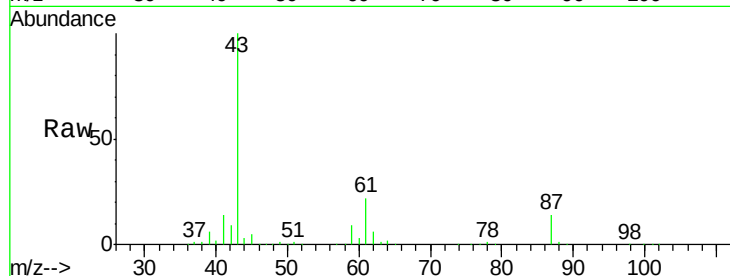
Tot Ion: 43 Resp: 530178

Ion Ratio Lower Upper

43 100

61 28.6 23.9 35.9

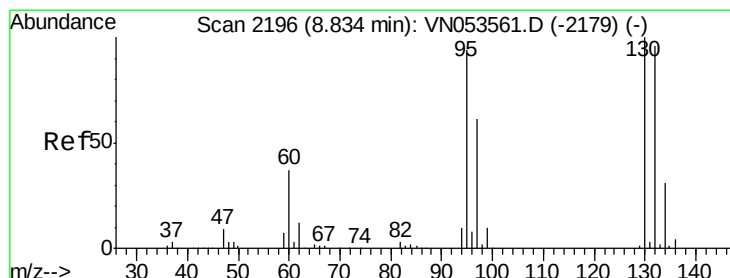
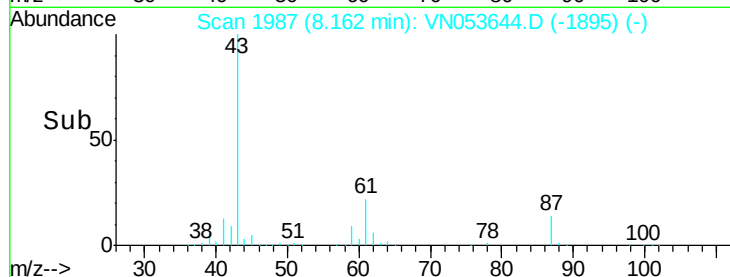
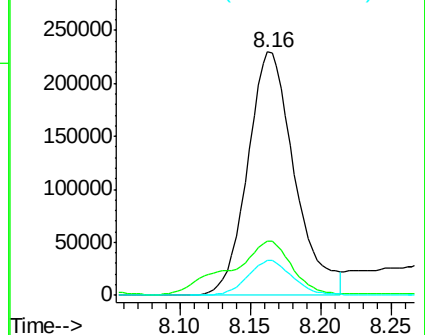
87 14.0 11.0 16.6



Abundance Ion 43.00 (42.70 to 43.70): VN053561.D (-1968) (-)

Ion 61.00 (60.70 to 61.70): VN053561.D (-1968) (-)

Ion 87.00 (86.70 to 87.70): VN053561.D (-1968) (-)



#44

Trichloroethene

Concen: 46.391 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN053644.D

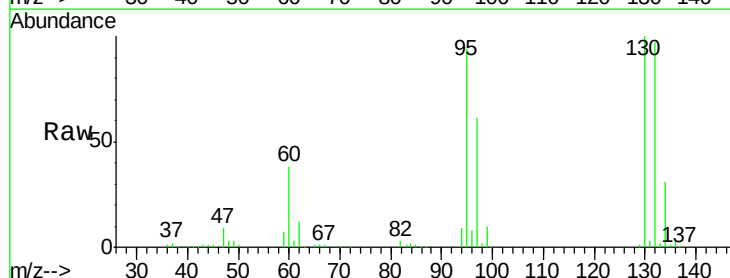
Acq: 6 Feb 2019 19:24

Tgt Ion:130 Resp: 402097

Ion Ratio Lower Upper

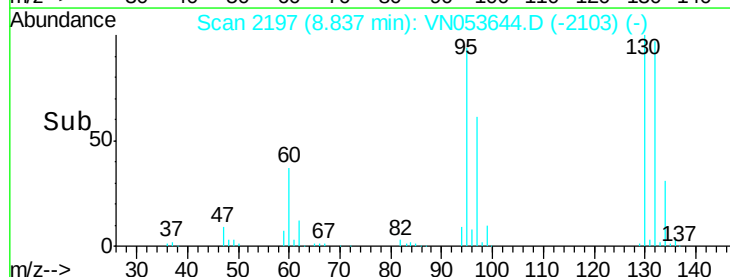
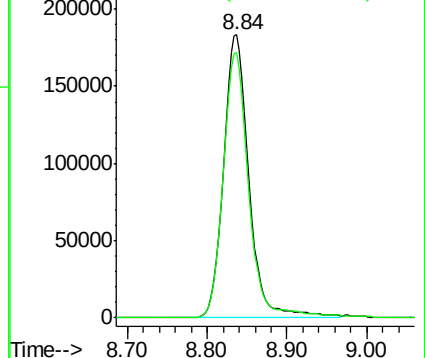
130 100

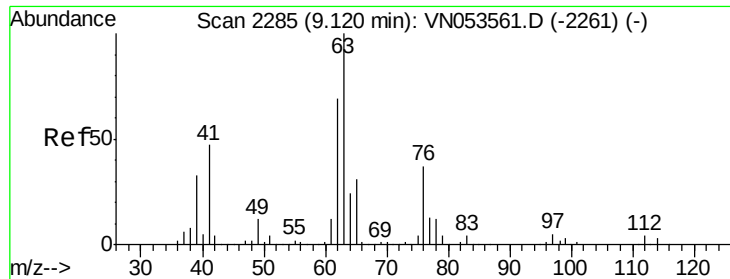
95 93.8 0.0 191.4



Abundance Ion 129.80 (129.50 to 130.50): VN053561.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN053561.D (-2179) (-)

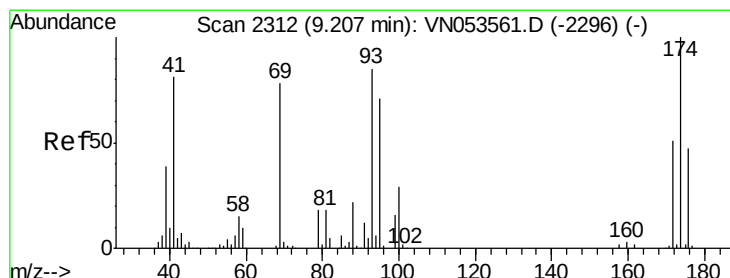
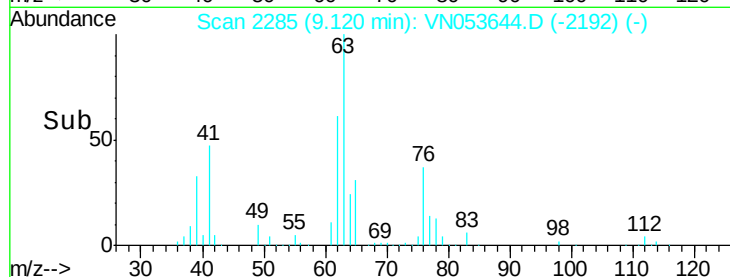
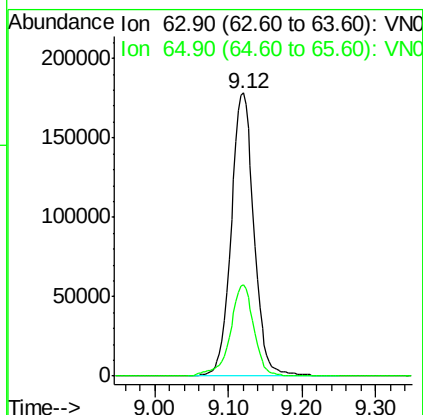
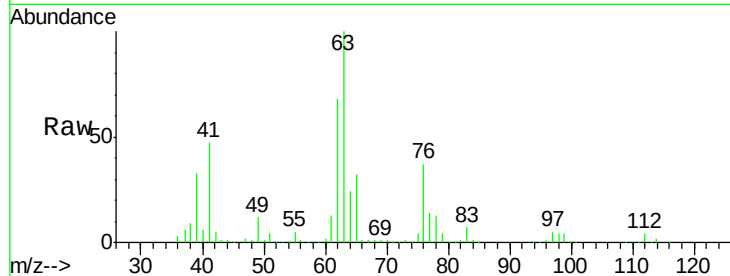




#45
 1,2-Dichloropropane
 Concen: 49.203 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN053644.D
 Acq: 6 Feb 2019 19:24

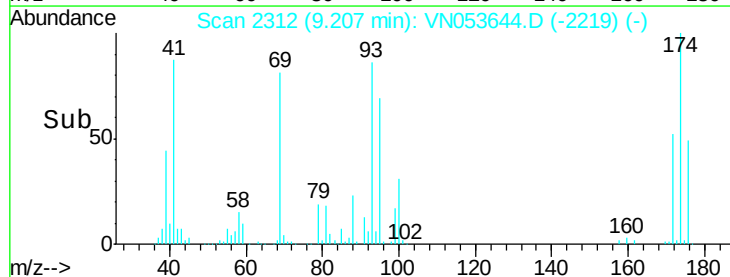
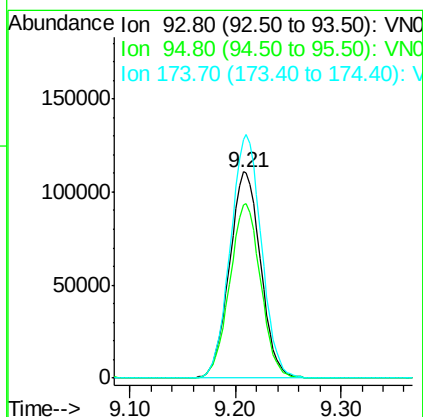
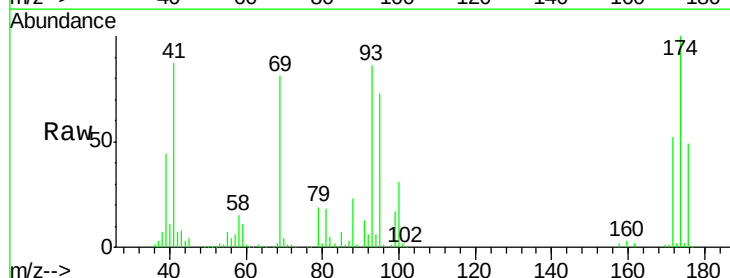
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

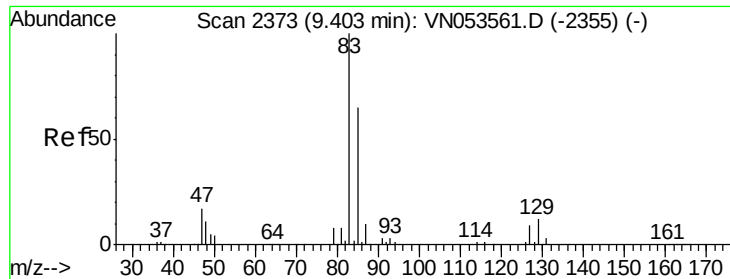
Tot Ion: 63 Resp: 383142
 Ion Ratio Lower Upper
 63 100
 65 32.2 25.0 37.4



#46
 Dibromomethane
 Concen: 48.348 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN053644.D
 Acq: 6 Feb 2019 19:24

Tgt Ion: 93 Resp: 226953
 Ion Ratio Lower Upper
 93 100
 95 84.0 67.3 100.9
 174 117.6 91.0 136.4





#47

Bromodichloromethane

Concen: 49.124 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN053644.D

Acq: 6 Feb 2019 19:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

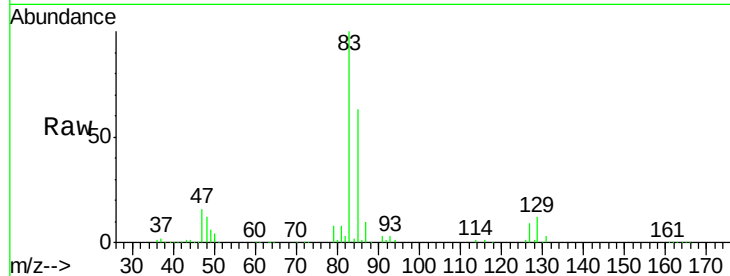
Tot Ion: 83 Resp: 479447

Ion Ratio Lower Upper

83 100

85 63.3 51.0 76.6

127 8.9 7.0 10.6



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 84.90 (84.60 to 85.60): VNO
Ion 126.80 (126.50 to 127.50): VNO

9.40

250000

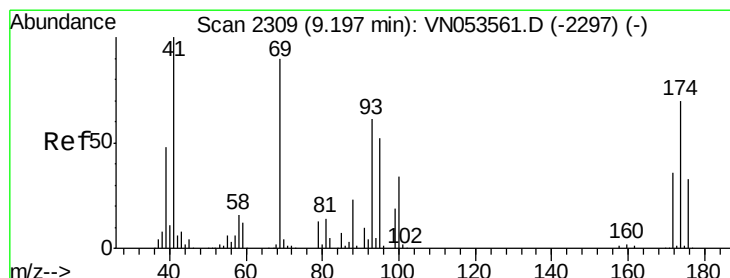
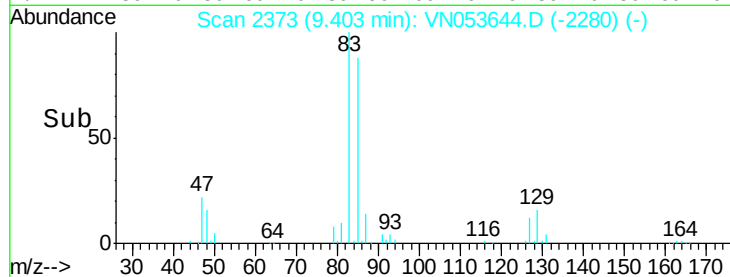
200000

150000

100000

50000

Time--> 9.30 9.40 9.50



#48

Methyl methacrylate

Concen: 49.345 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. 0.00 min

Lab File: VN053644.D

Acq: 6 Feb 2019 19:24

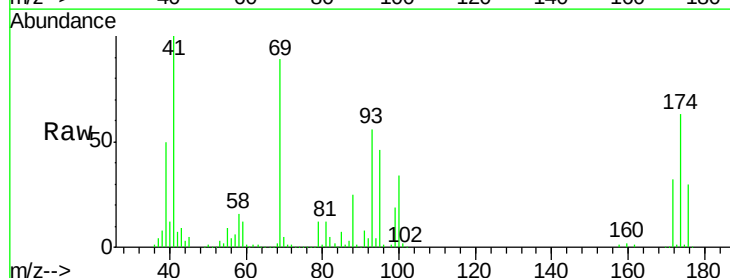
Tgt Ion: 41 Resp: 250823

Ion Ratio Lower Upper

41 100

69 98.5 73.8 110.6

39 53.6 40.0 60.0



Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 39.00 (38.70 to 39.70): VNO

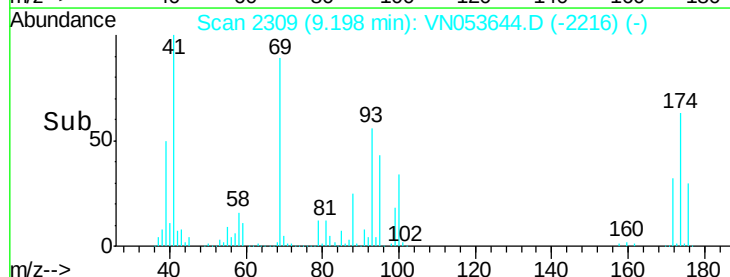
150000

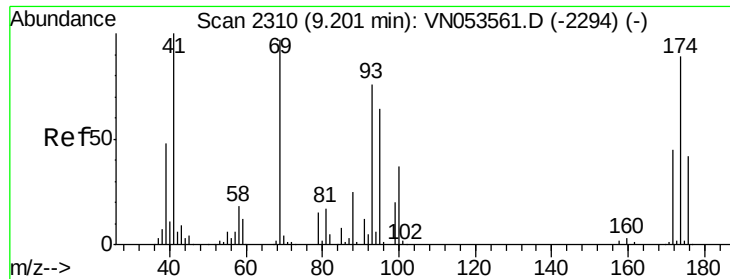
100000

50000

0

Time--> 9.15 9.20 9.25





#49

1,4-Dioxane

Concen: 1019.515 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN053644.D

Acq: 6 Feb 2019 19:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

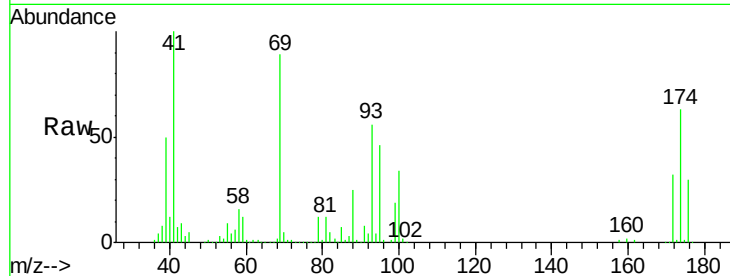
Tot Ion: 88 Resp: 75149

Ion Ratio Lower Upper

88 100

43 27.7 27.8 41.6#

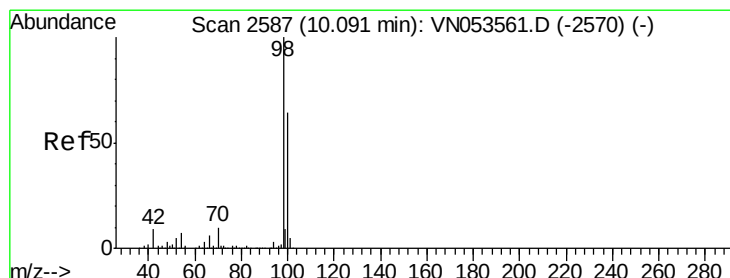
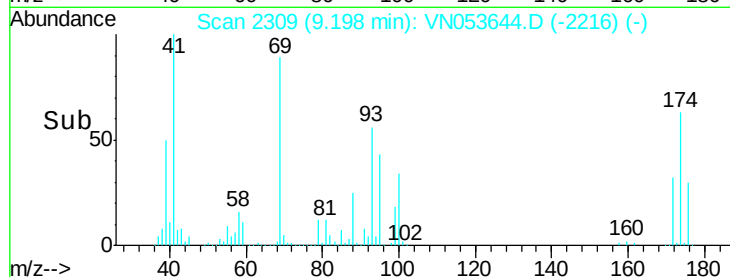
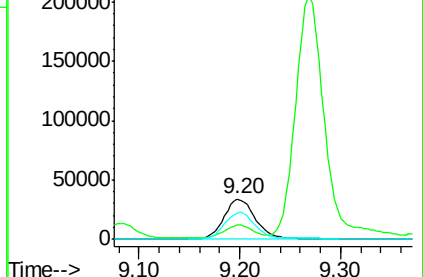
58 64.7 56.5 84.7



Abundance Ion 88.00 (87.70 to 88.70): VN053561.D (-2294) (-)

Ion 43.00 (42.70 to 43.70): VN053561.D (-2294) (-)

Ion 58.00 (57.70 to 58.70): VN053561.D (-2294) (-)



#50

Toluene-d8

Concen: 1019.515 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053644.D

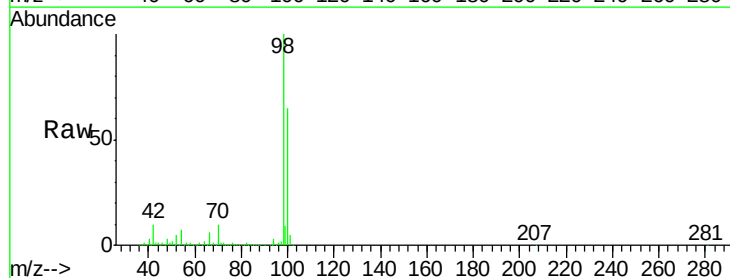
Acq: 6 Feb 2019 19:24

Tgt Ion: 98 Resp: 1325507

Ion Ratio Lower Upper

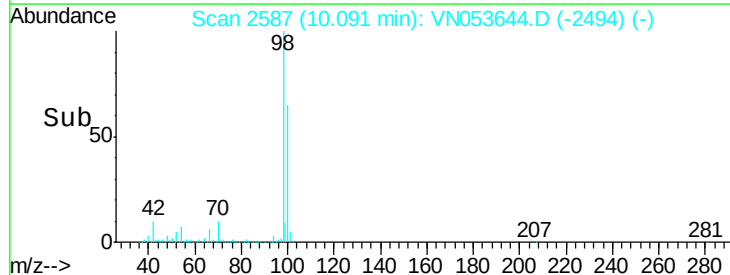
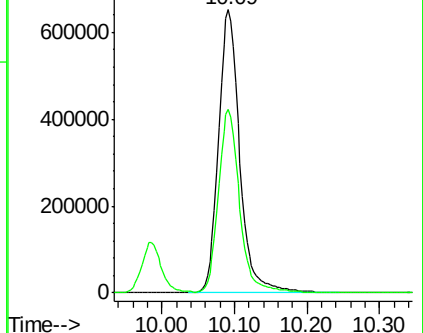
98 100

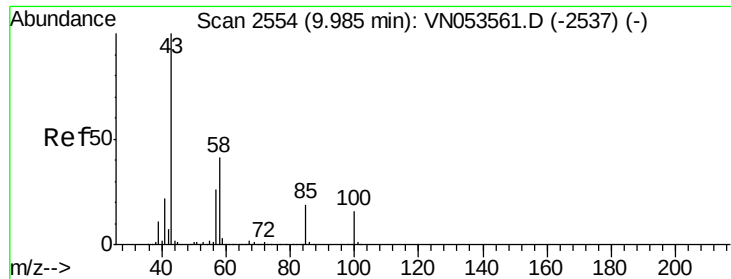
100 64.8 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VN053561.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN053561.D (-2570) (-)





#51

4-Methyl-2-Pentanone

Concen: 261.361 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN053644.D

Acq: 6 Feb 2019 19:24

Instrument :

MSVOA_N

ClientSampleId :

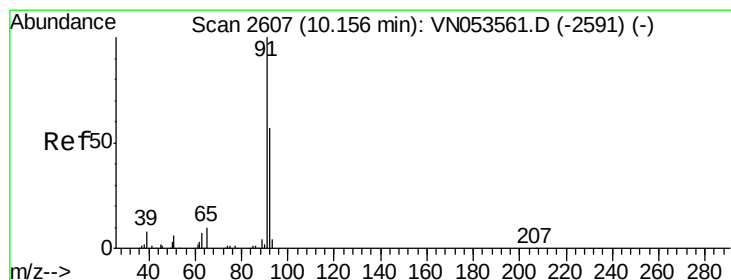
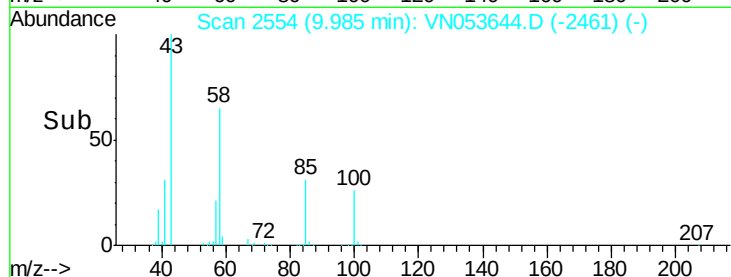
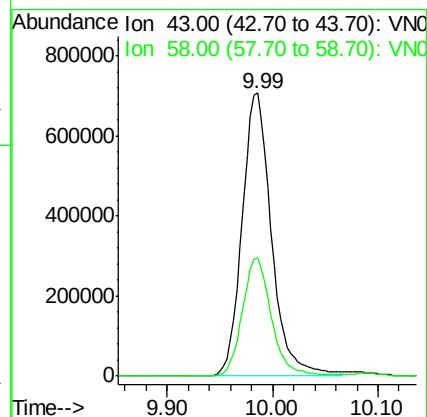
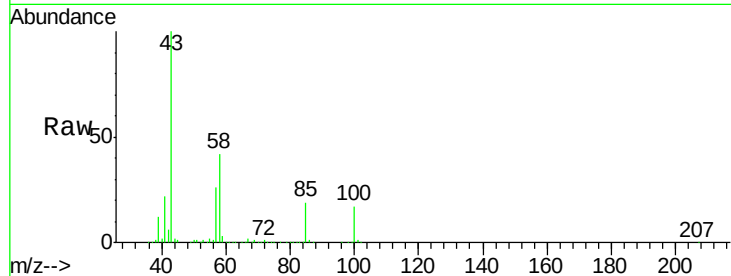
VSTDCCC050EC

Tot Ion: 43 Resp: 1367639

Ion Ratio Lower Upper

43 100

58 41.5 32.8 49.2



#52

Toluene

Concen: 48.595 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN053644.D

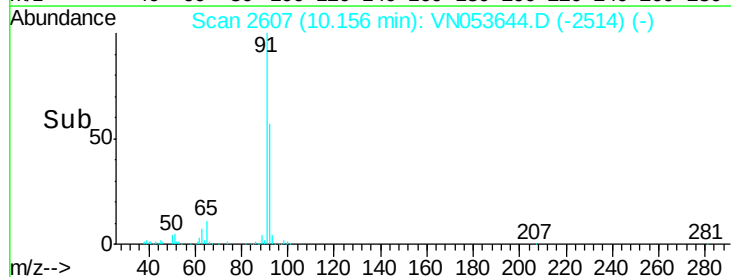
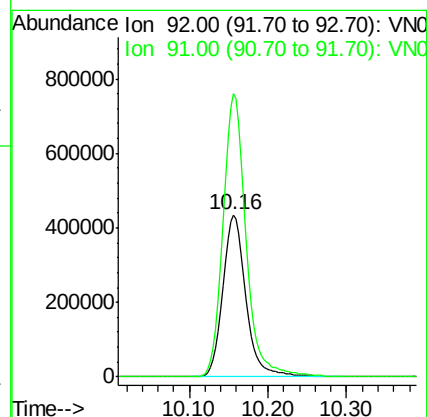
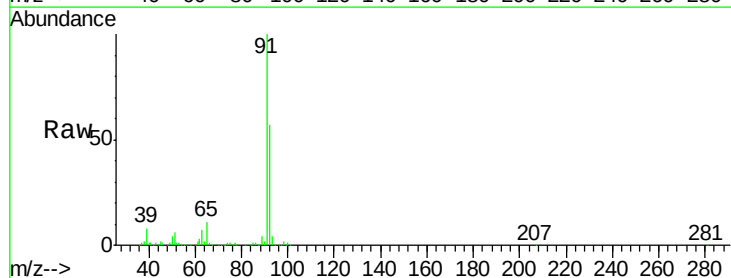
Acq: 6 Feb 2019 19:24

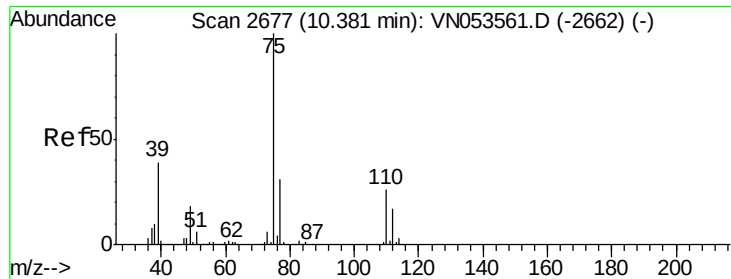
Tgt Ion: 92 Resp: 878056

Ion Ratio Lower Upper

92 100

91 174.6 139.9 209.9





#53

t-1,3-Dichloropropene

Concen: 50.396 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN053644.D

Acq: 6 Feb 2019 19:24

Instrument :

MSVOA_N

ClientSampleId :

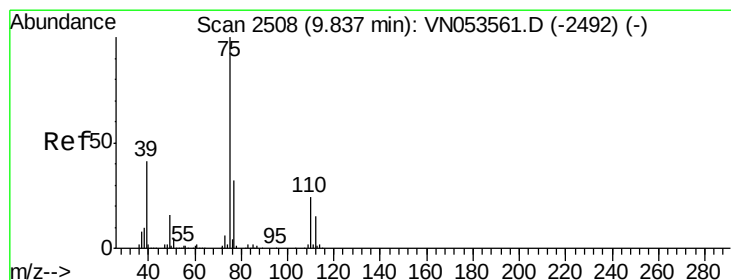
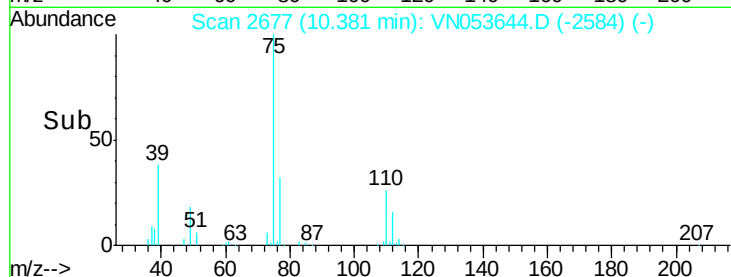
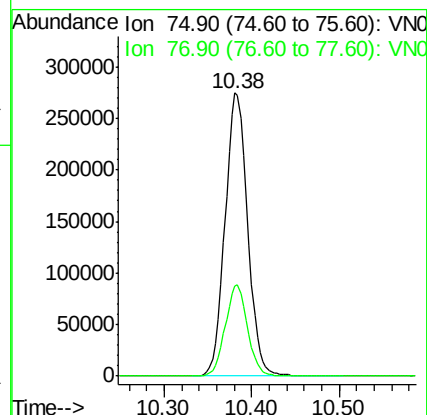
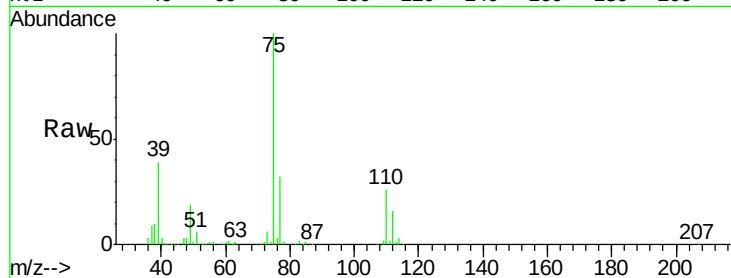
VSTDCCC050EC

Tot Ion: 75 Resp: 492533

Ion Ratio Lower Upper

75 100

77 32.0 25.5 38.3



#54

cis-1,3-Dichloropropene

Concen: 49.095 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN053644.D

Acq: 6 Feb 2019 19:24

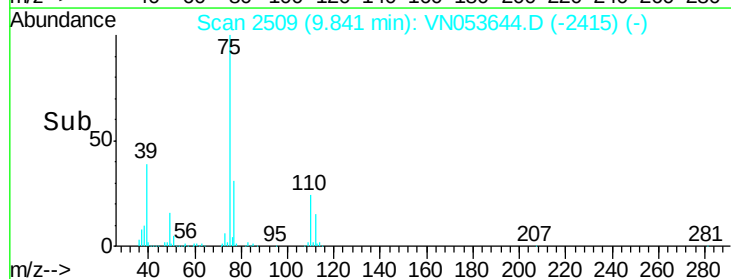
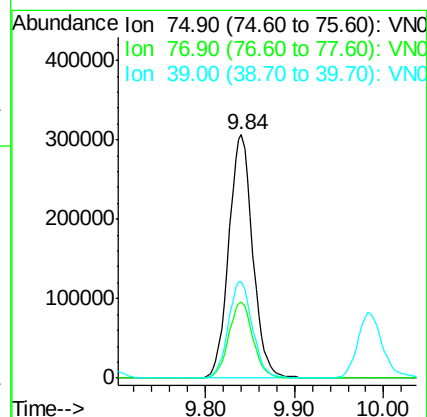
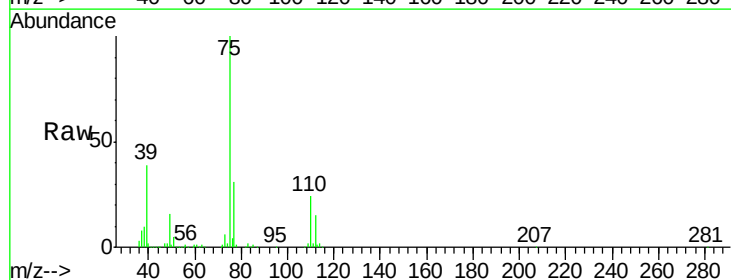
Tgt Ion: 75 Resp: 568578

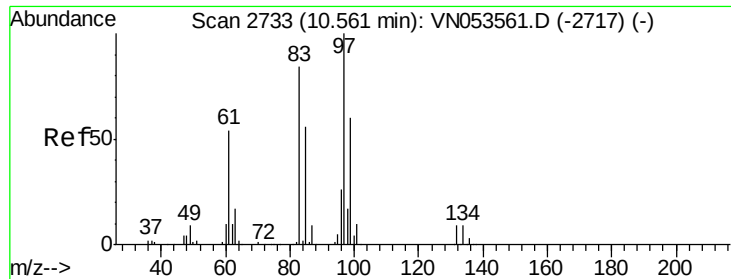
Ion Ratio Lower Upper

75 100

77 31.1 25.8 38.6

39 39.4 33.4 50.0





#55

1,1,2-Trichloroethane

Concen: 50.443 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN053644.D

Acq: 6 Feb 2019 19:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 97 Resp: 328435

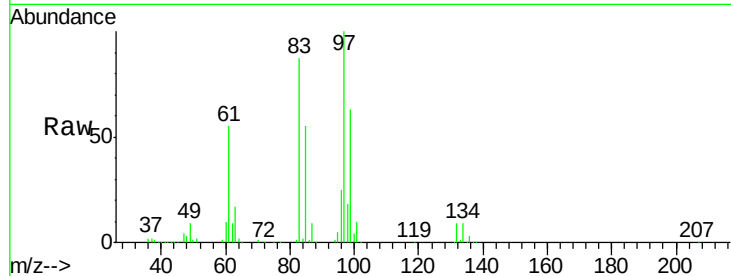
Ion Ratio Lower Upper

97 100

83 86.6 70.1 105.1

85 55.0 45.4 68.0

99 62.6 49.8 74.8

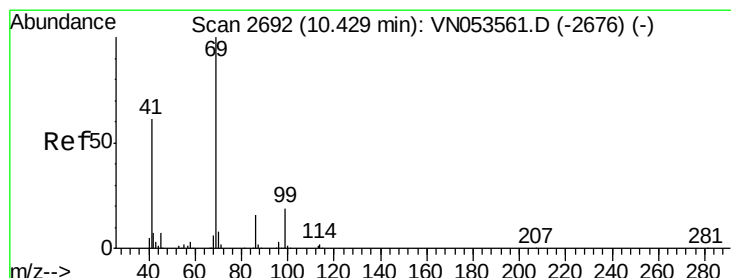
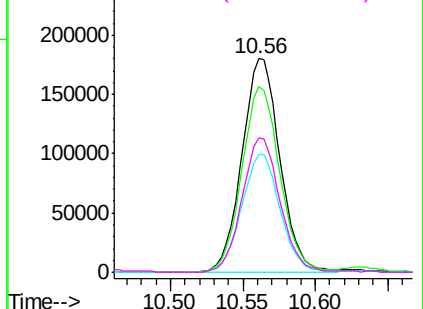
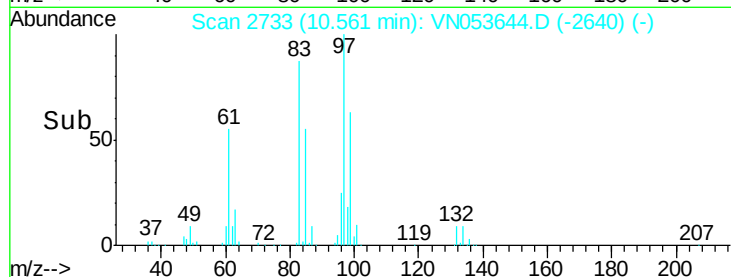


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 52.742 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN053644.D

Acq: 6 Feb 2019 19:24

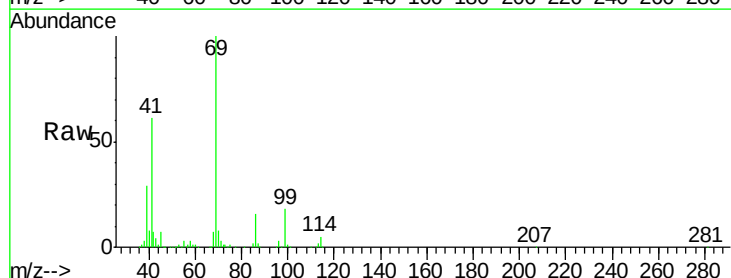
Tgt Ion: 69 Resp: 406246

Ion Ratio Lower Upper

69 100

41 60.1 49.4 74.0

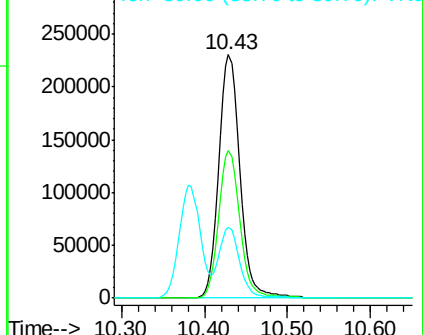
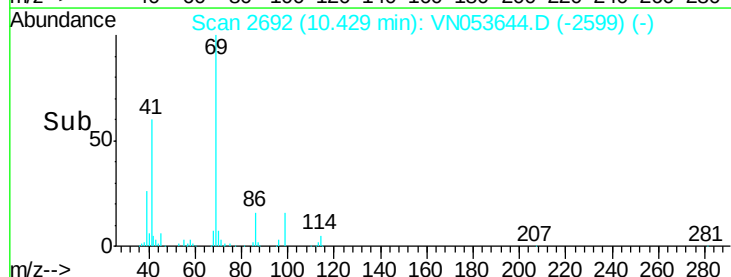
39 29.1 23.3 34.9

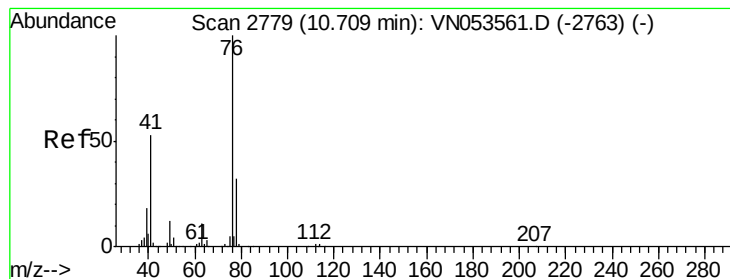


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 49.079 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN053644.D

Acq: 6 Feb 2019 19:24

Instrument :

MSVOA_N

ClientSampleId :

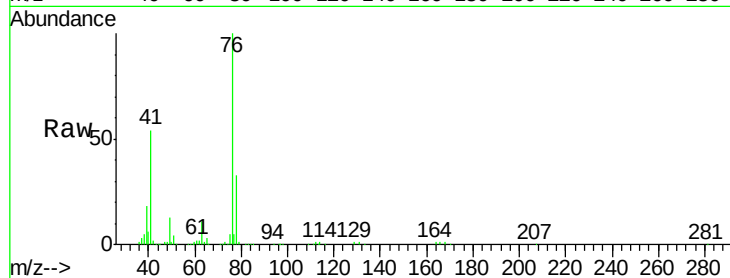
VSTDCCC050EC

Tot Ion: 76 Resp: 546129

Ion Ratio Lower Upper

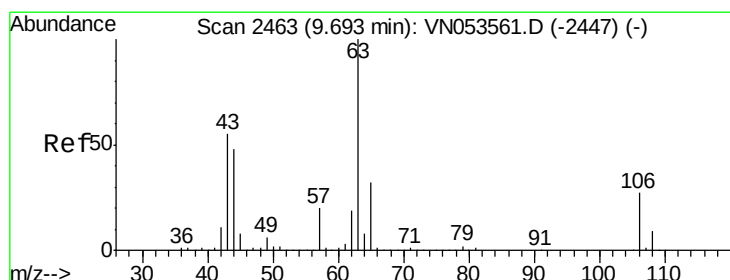
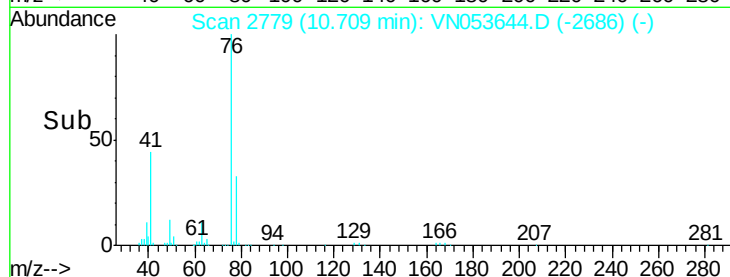
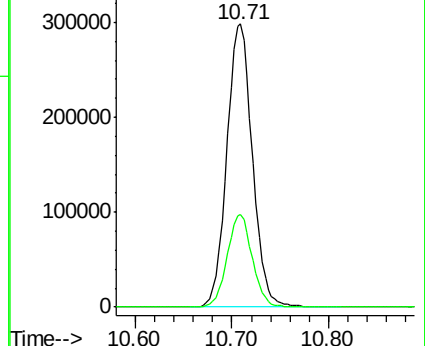
76 100

78 32.2 25.6 38.4



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 221.168 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN053644.D

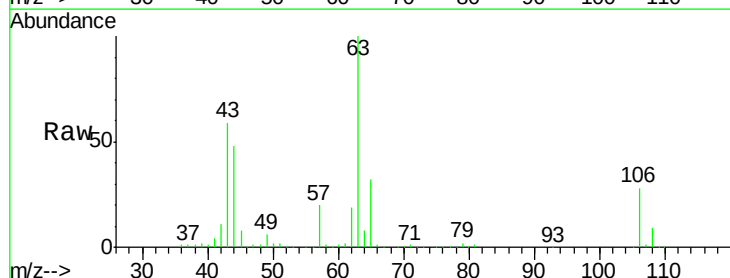
Acq: 6 Feb 2019 19:24

Tgt Ion: 63 Resp: 1051936

Ion Ratio Lower Upper

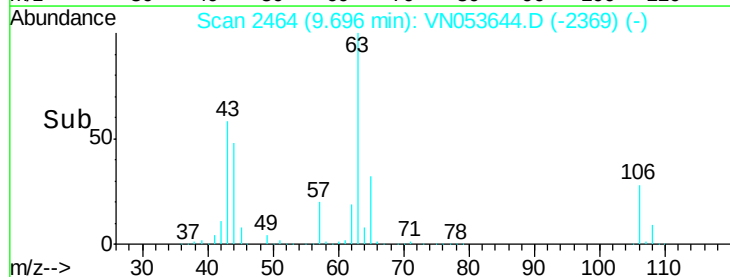
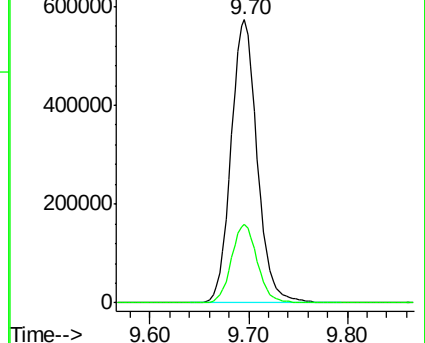
63 100

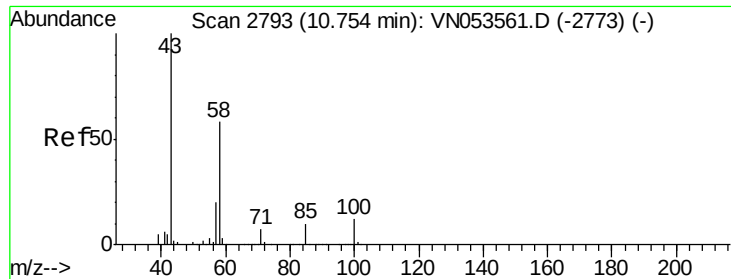
106 27.5 21.5 32.3



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

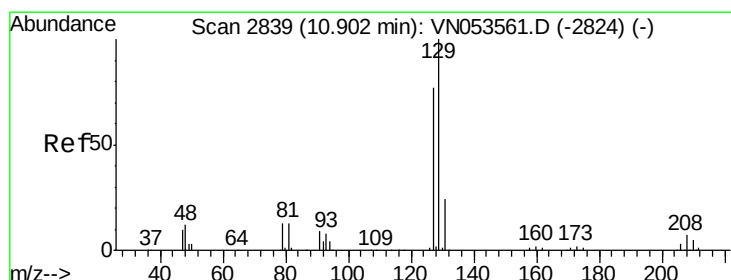
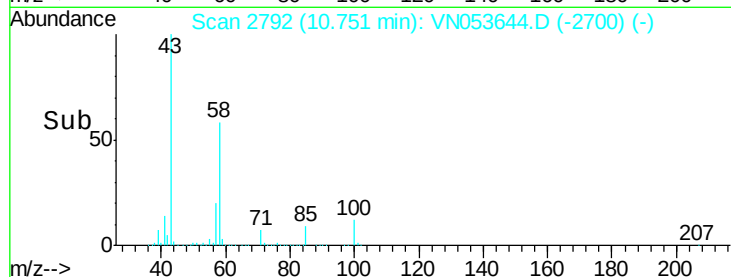
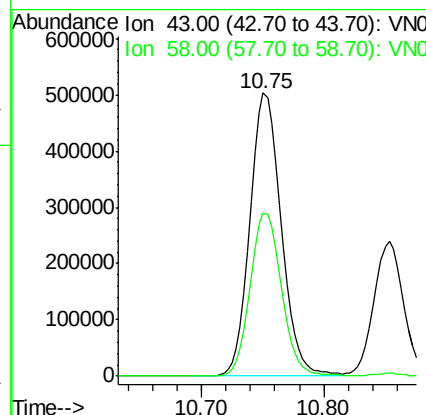
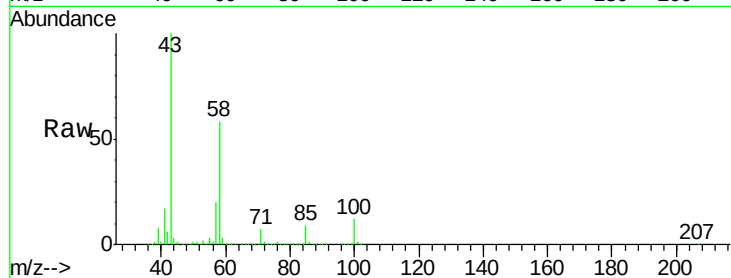




#59
2-Hexanone
Concen: 249.360 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN053644.D
Acq: 6 Feb 2019 19:24

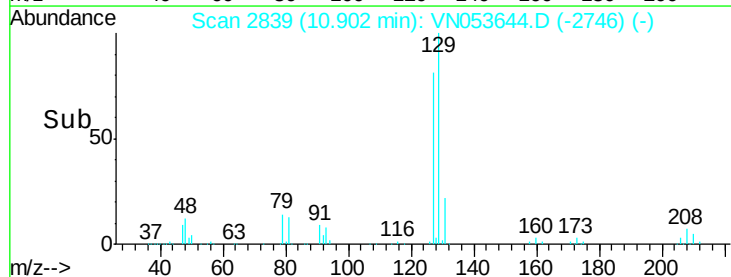
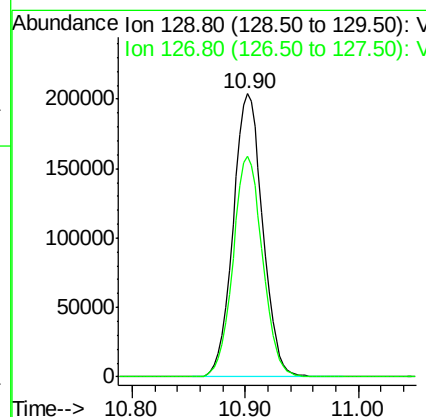
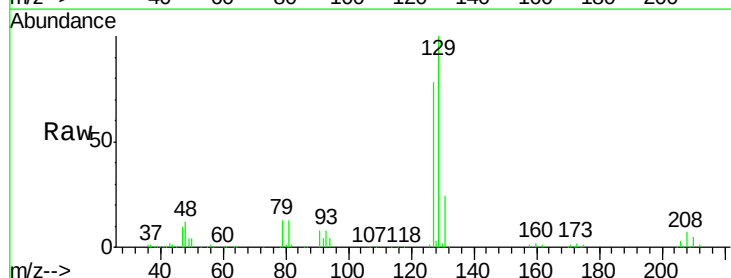
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

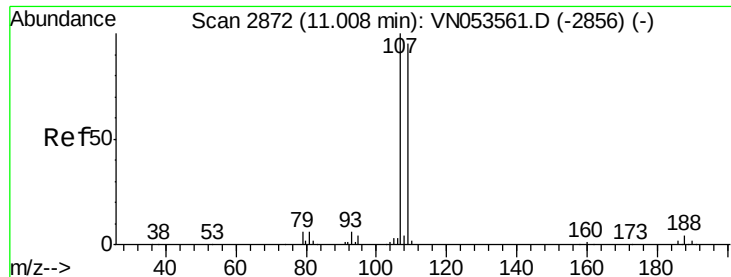
Tot Ion: 43 Resp: 885820
Ion Ratio Lower Upper
43 100
58 57.9 28.6 85.8



#60
Dibromochloromethane
Concen: 50.493 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN053644.D
Acq: 6 Feb 2019 19:24

Tgt Ion: 129 Resp: 370730
Ion Ratio Lower Upper
129 100
127 77.7 38.6 115.8





#61

1,2-Dibromoethane

Concen: 48.914 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN053644.D

Acq: 6 Feb 2019 19:24

Instrument :

MSVOA_N

ClientSampleId :

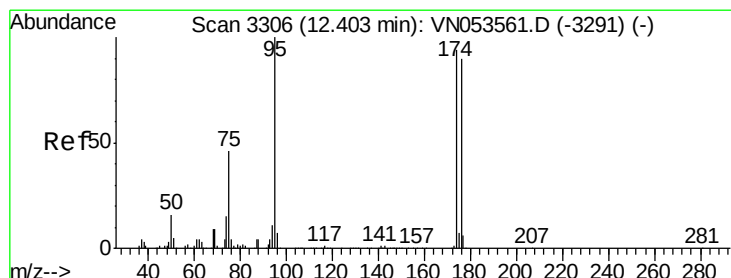
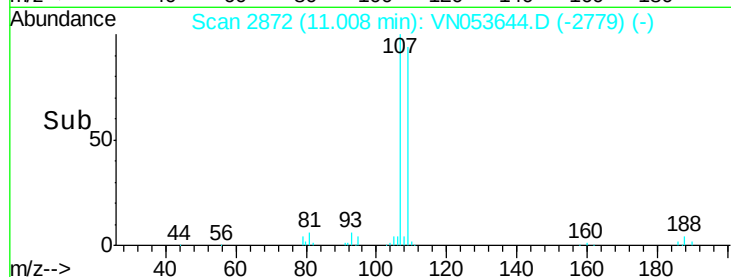
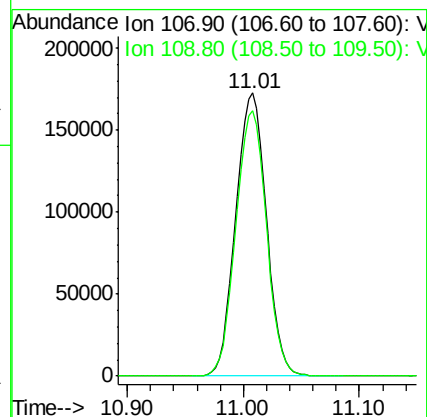
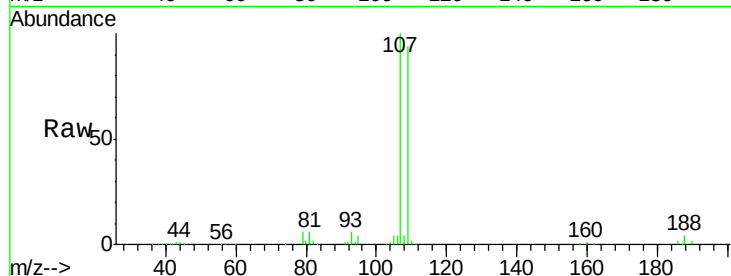
VSTDCCC050EC

Tot Ion:107 Resp: 315216

Ion Ratio Lower Upper

107 100

109 93.8 75.7 113.5



#62

4-Bromofluorobenzene

Concen: 48.914 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN053644.D

Acq: 6 Feb 2019 19:24

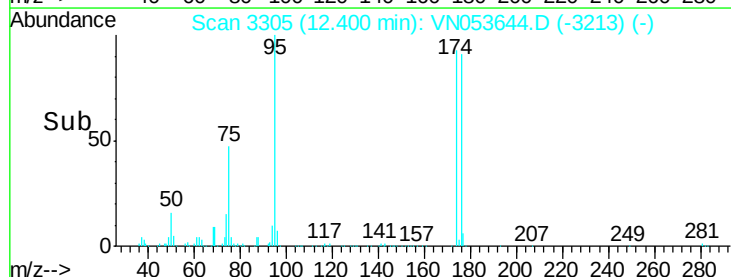
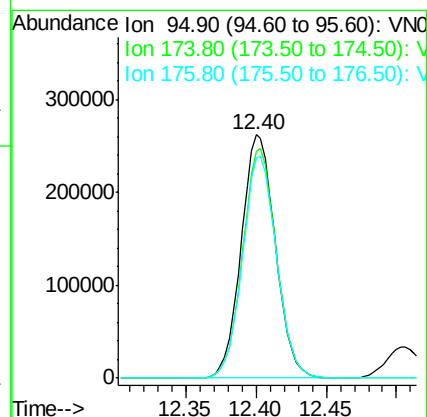
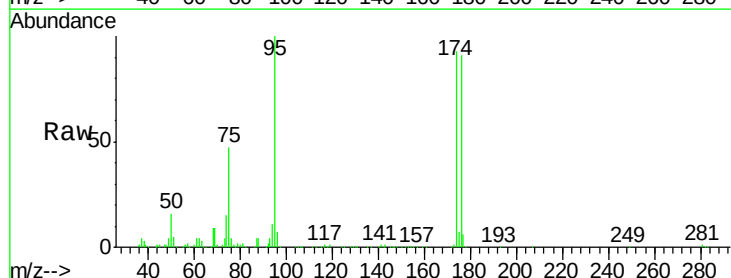
Tgt Ion: 95 Resp: 444388

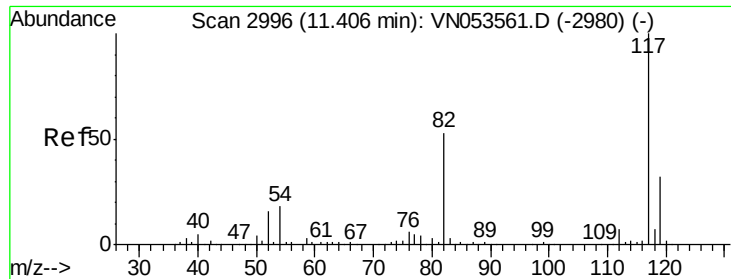
Ion Ratio Lower Upper

95 100

174 93.5 0.0 183.2

176 91.2 0.0 177.4

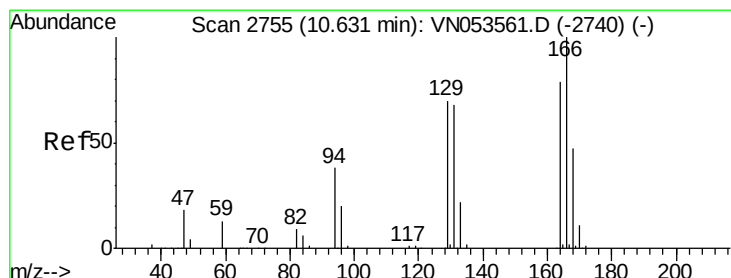
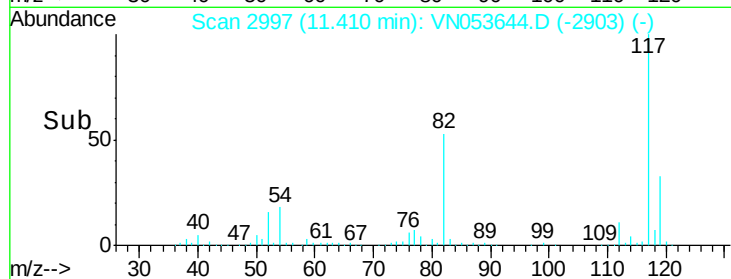
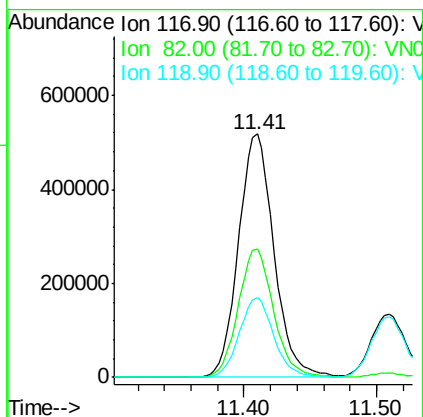
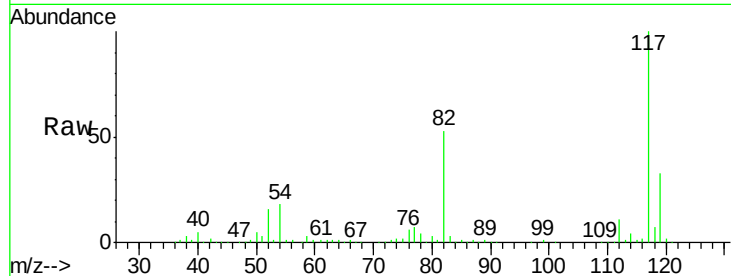




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN053644.D
Acq: 6 Feb 2019 19:24

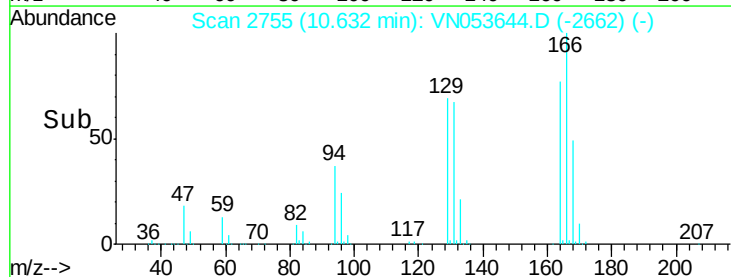
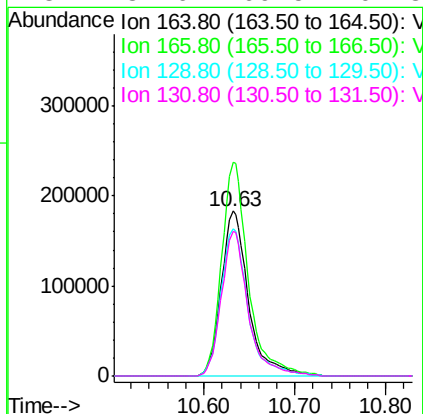
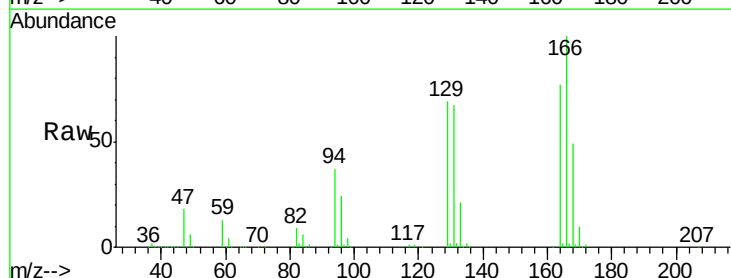
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

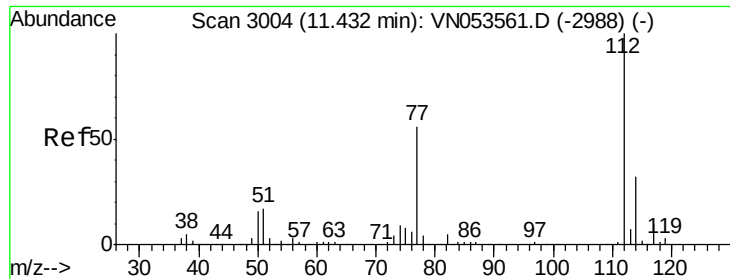
Tot Ion:117 Resp: 963393
Ion Ratio Lower Upper
117 100
82 52.5 42.9 64.3
119 32.6 26.0 39.0



#64
Tetrachloroethene
Concen: 45.893 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN053644.D
Acq: 6 Feb 2019 19:24

Tgt Ion:164 Resp: 379003
Ion Ratio Lower Upper
164 100
166 129.8 102.2 153.4
129 89.8 72.6 109.0
131 87.6 69.5 104.3

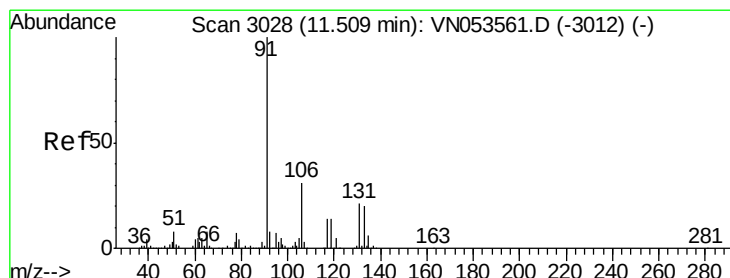
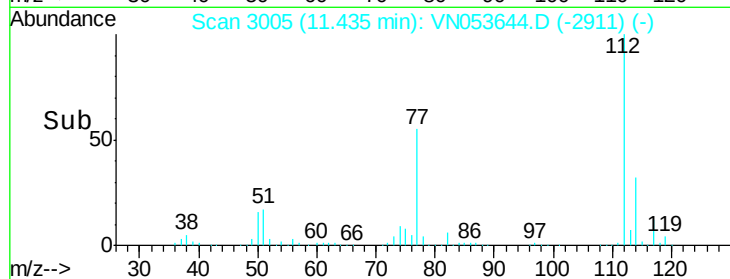
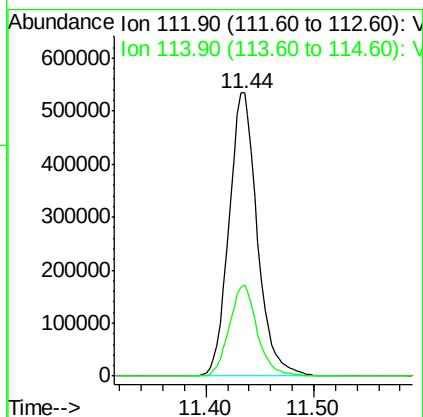
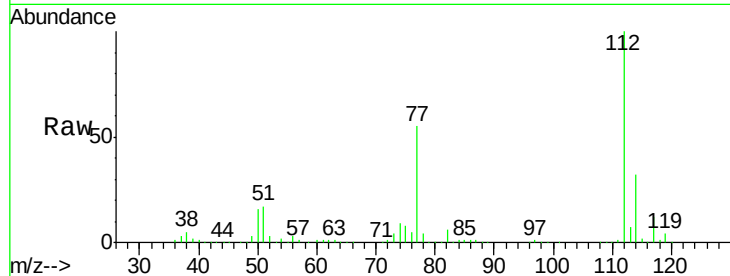




#65
Chlorobenzene
Concen: 47.778 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN053644.D
Acq: 6 Feb 2019 19:24

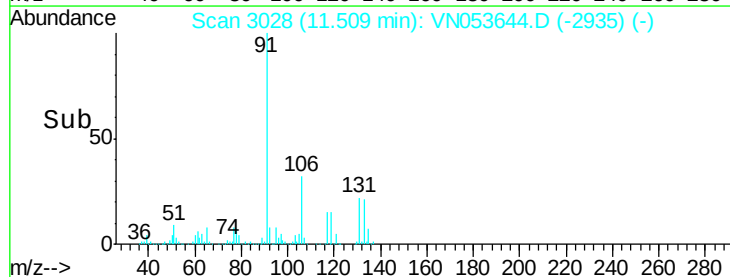
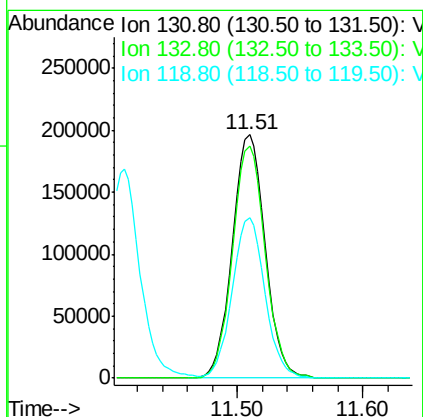
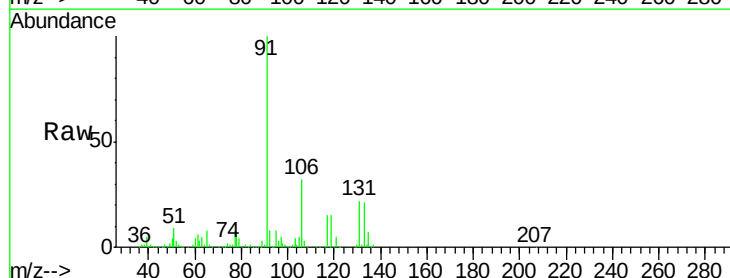
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

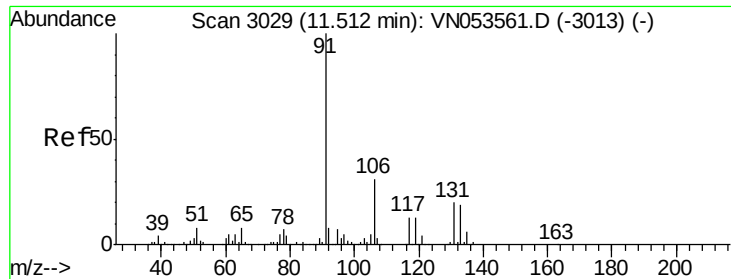
Tot Ion:112 Resp: 977698
Ion Ratio Lower Upper
112 100
114 32.2 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 50.013 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN053644.D
Acq: 6 Feb 2019 19:24

Tgt Ion:131 Resp: 357426
Ion Ratio Lower Upper
131 100
133 95.3 48.0 144.0
119 65.7 33.5 100.5

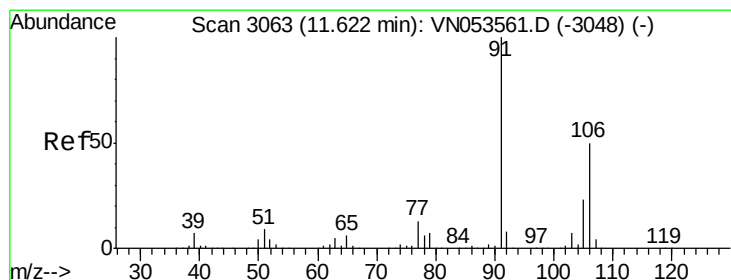
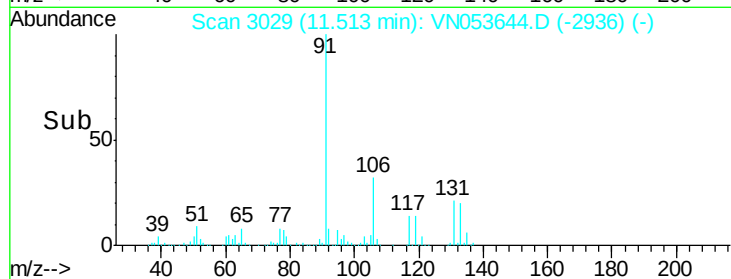
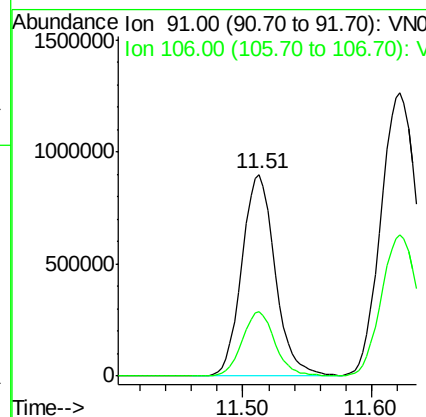
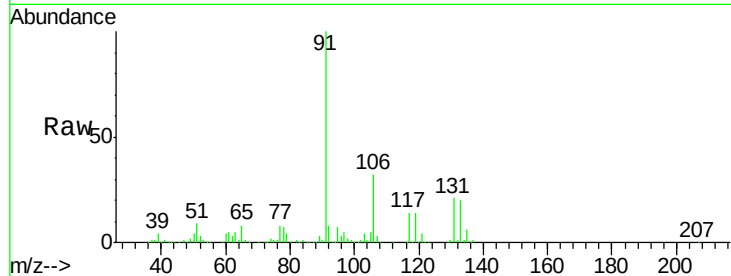




#67
Ethyl Benzene
Concen: 48.148 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN053644.D
Acq: 6 Feb 2019 19:24

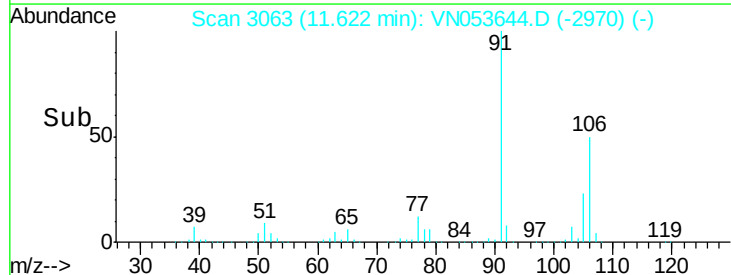
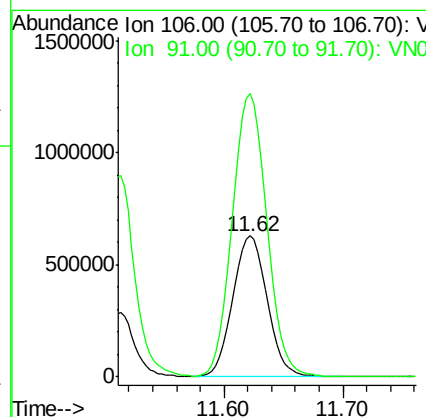
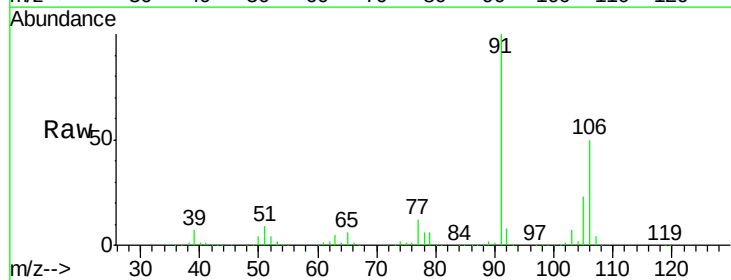
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

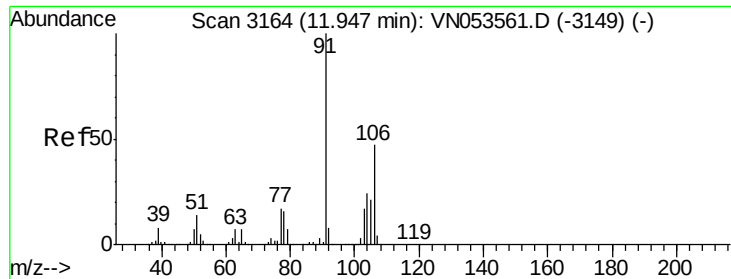
Tot Ion: 91 Resp: 1618510
Ion Ratio Lower Upper
91 100
106 31.8 25.0 37.6



#68
m/p-Xylenes
Concen: 98.149 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053644.D
Acq: 6 Feb 2019 19:24

Tgt Ion: 106 Resp: 1259224
Ion Ratio Lower Upper
106 100
91 201.7 161.4 242.2

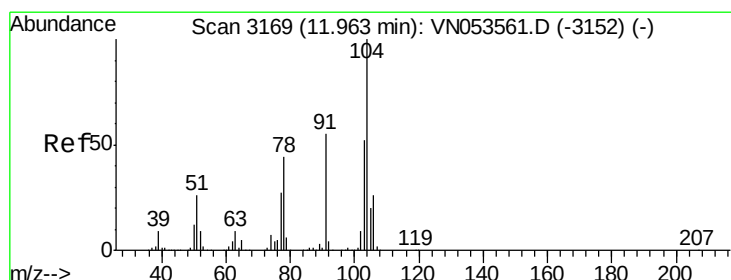
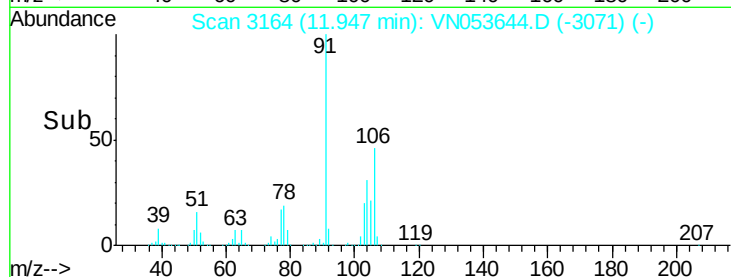
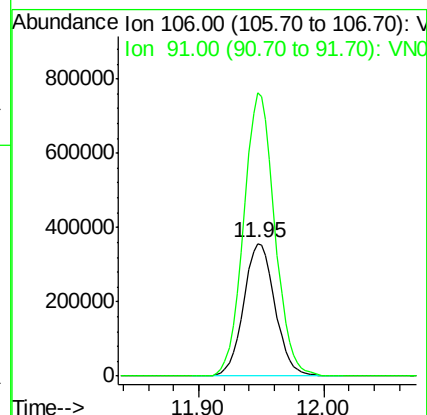
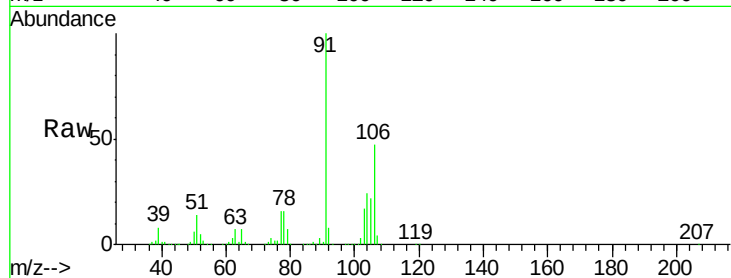




#69
o-Xylene
Concen: 50.003 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053644.D
Acq: 6 Feb 2019 19:24

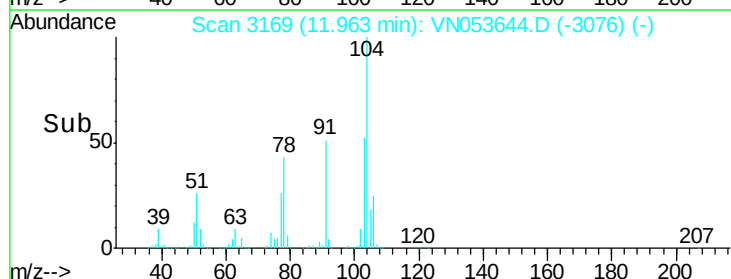
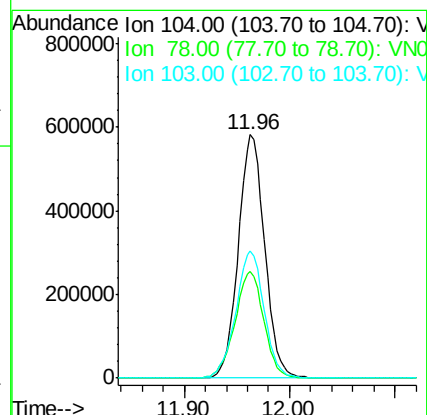
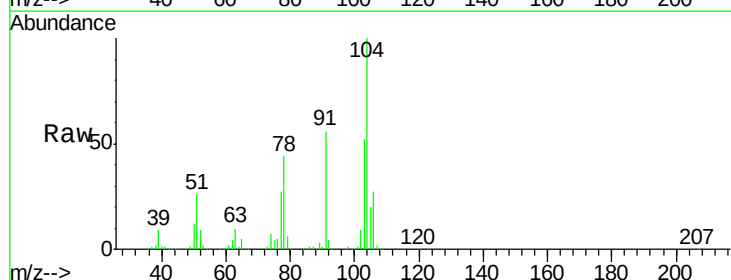
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

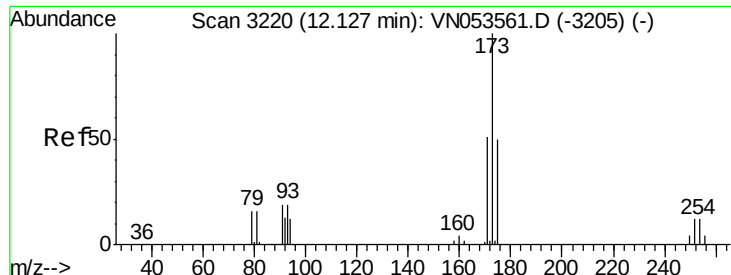
Tot Ion:106 Resp: 619775
Ion Ratio Lower Upper
106 100
91 211.4 106.9 320.8



#70
Styrene
Concen: 50.120 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN053644.D
Acq: 6 Feb 2019 19:24

Tgt Ion:104 Resp: 1006893
Ion Ratio Lower Upper
104 100
78 47.9 38.2 57.2
103 56.1 44.4 66.6

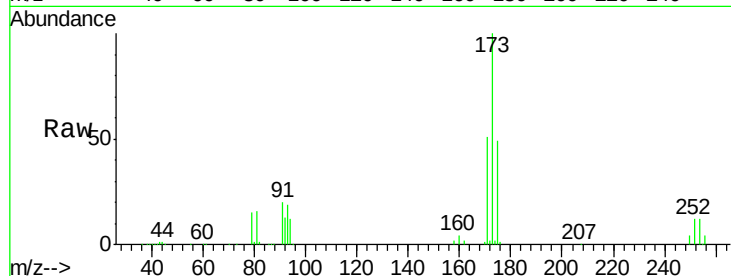




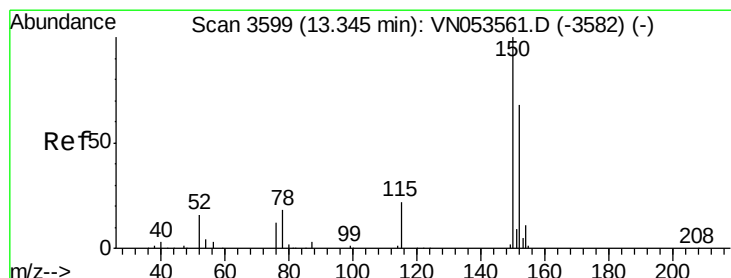
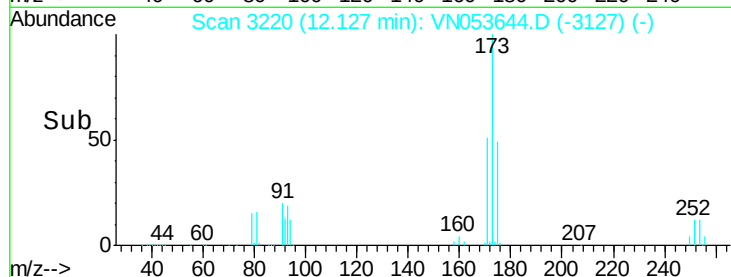
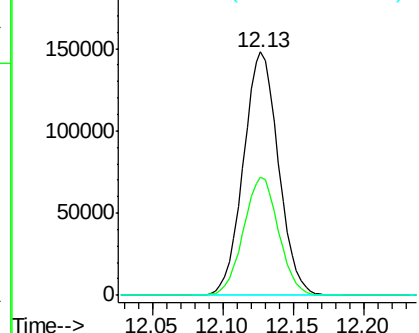
#71
Bromoform
Concen: 52.620 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN053644.D
Acq: 6 Feb 2019 19:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:173 Resp: 257815
Ion Ratio Lower Upper
173 100
175 48.6 24.6 74.0
254 0.1 0.2 0.2#

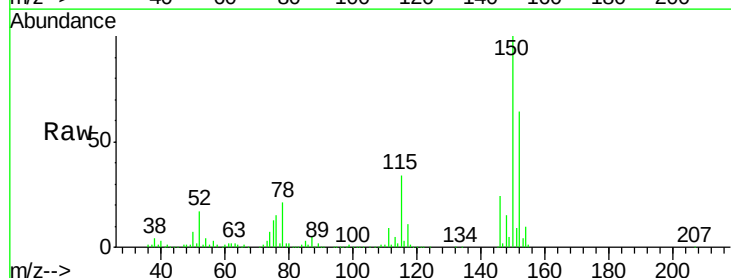


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

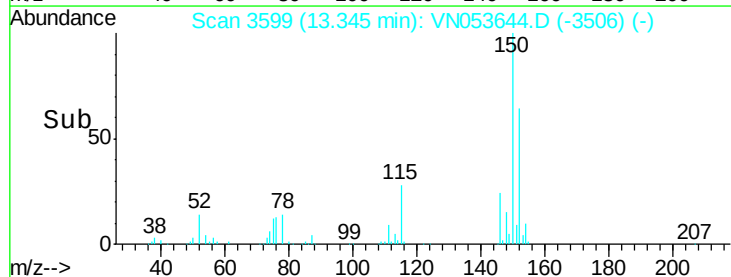
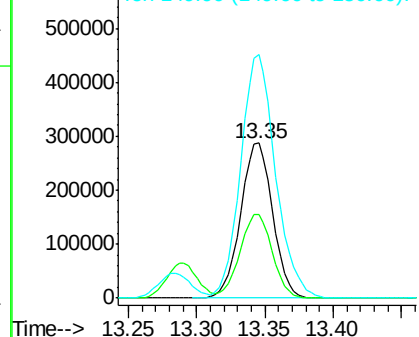


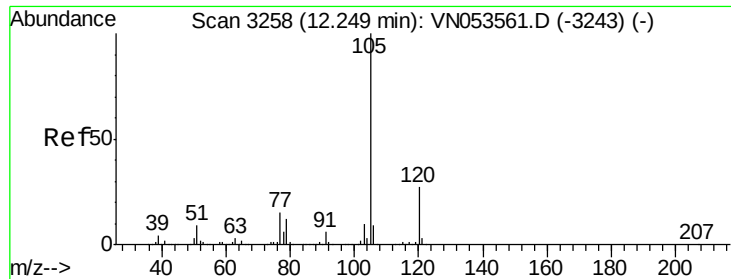
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN053644.D
Acq: 6 Feb 2019 19:24

Tgt Ion:152 Resp: 467236
Ion Ratio Lower Upper
152 100
115 54.6 27.8 83.4
150 171.2 0.0 349.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 48.522 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053644.D

Acq: 6 Feb 2019 19:24

Instrument :

MSVOA_N

ClientSampleId :

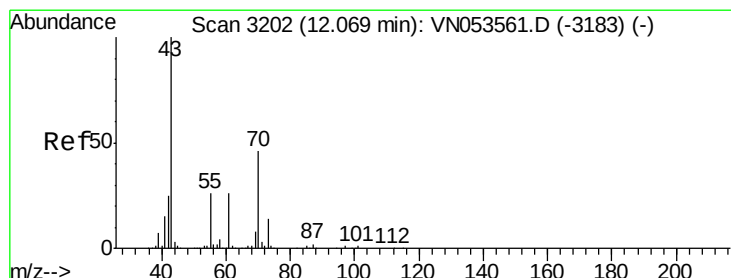
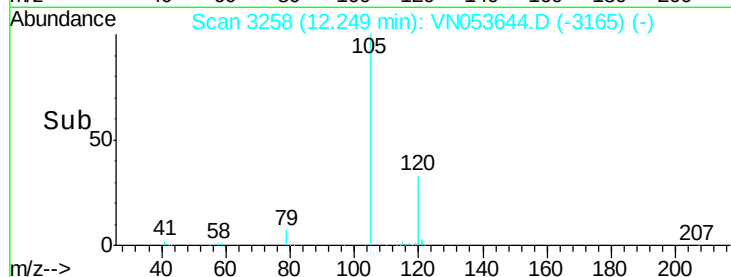
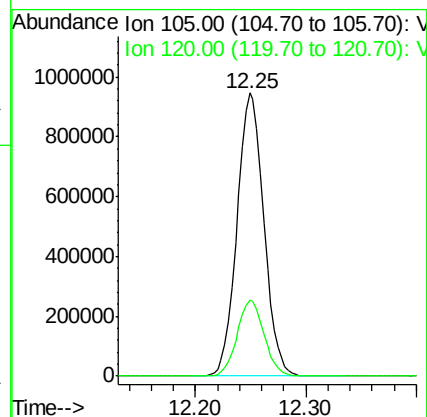
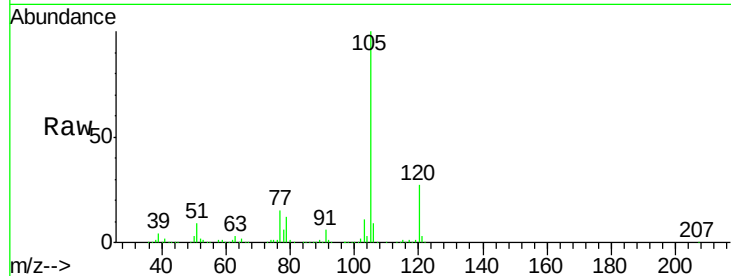
VSTDCCC050EC

Tot Ion:105 Resp: 1593750

Ion Ratio Lower Upper

105 100

120 27.0 13.6 40.7



#74

N-ethyl acetate

Concen: 53.490 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN053644.D

Acq: 6 Feb 2019 19:24

Tgt Ion: 43 Resp: 422482

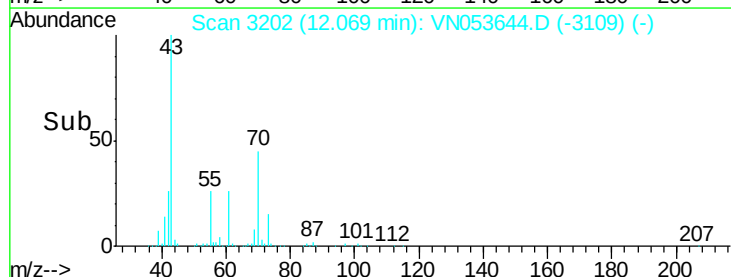
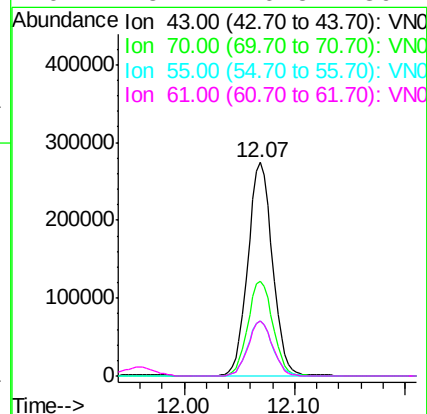
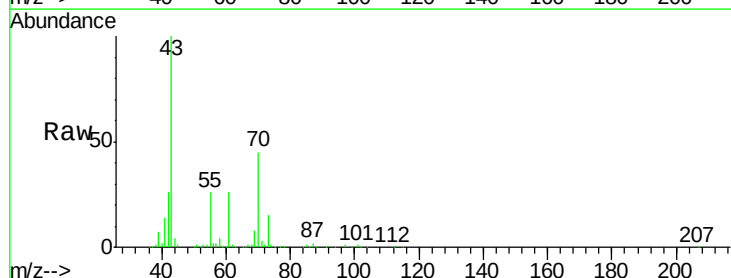
Ion Ratio Lower Upper

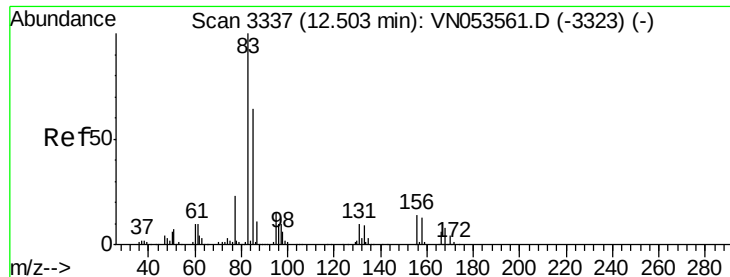
43 100

70 45.5 35.4 53.2

55 26.1 20.9 31.3

61 25.7 20.5 30.7





#75

1,1,2,2-Tetrachloroethane

Concen: 49.054 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN053644.D

Acq: 6 Feb 2019 19:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

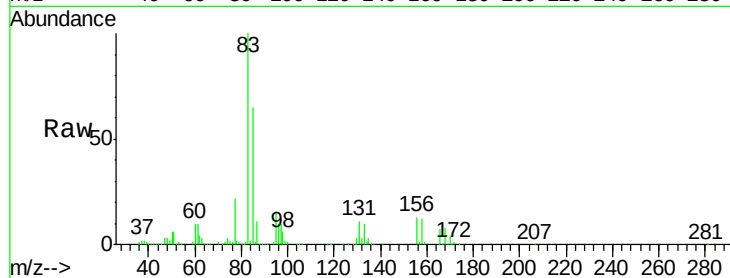
Tot Ion: 83 Resp: 385611

Ion Ratio Lower Upper

83 100

131 10.9 5.3 15.8

85 64.8 32.1 96.3



Abundance Ion 82.90 (82.60 to 83.60): VN053561.D (-3323) (-)

Ion 130.80 (130.50 to 131.50): VN053561.D (-3323) (-)

Ion 84.90 (84.60 to 85.60): VN053561.D (-3323) (-)

12.50

250000

200000

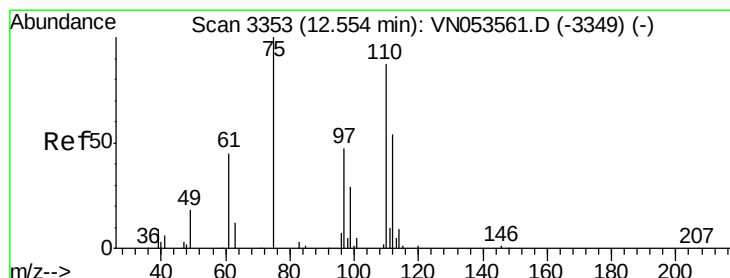
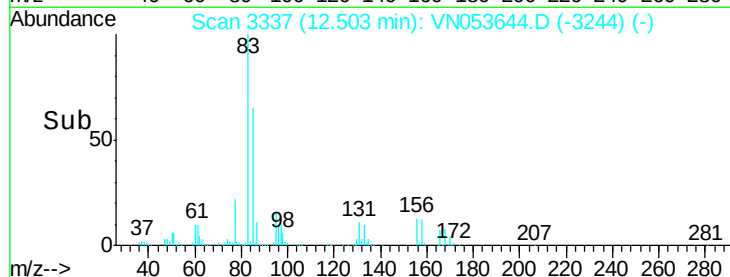
150000

100000

50000

0

Time-->



#76

1,2,3-Trichloropropane

Concen: 80.087 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN053644.D

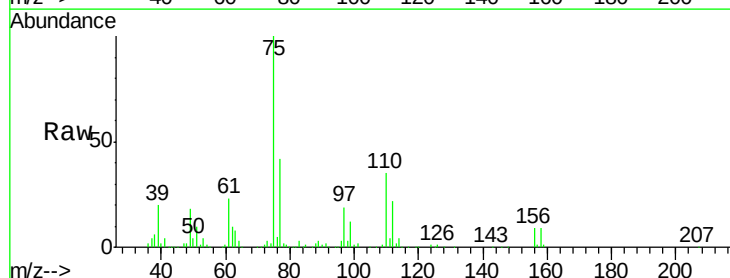
Acq: 6 Feb 2019 19:24

Tgt Ion: 75 Resp: 480628

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN053561.D (-3349) (-)

Ion 77.00 (76.70 to 77.70): VN053561.D (-3349) (-)

400000

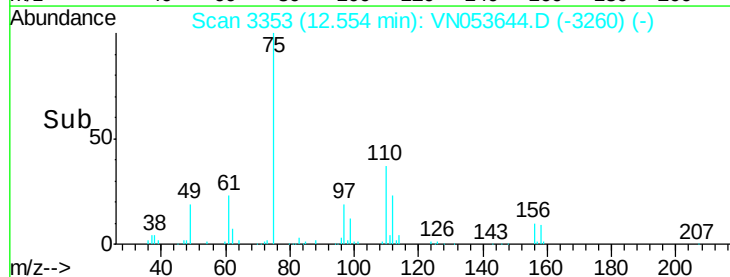
300000

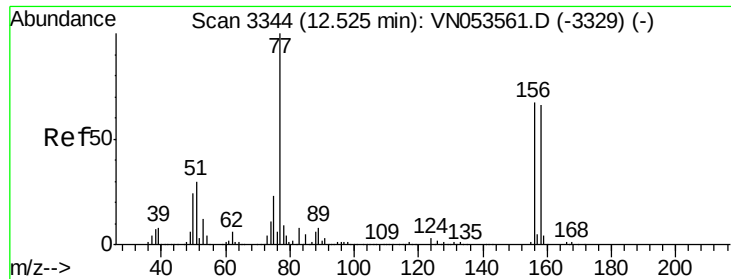
200000

100000

0

Time-->





#77

Bromobenzene

Concen: 48.253 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053644.D

Acq: 6 Feb 2019 19:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

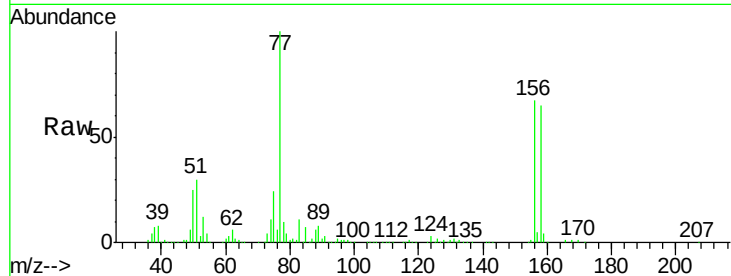
Tot Ion:156 Resp: 427151

Ion Ratio Lower Upper

156 100

77 172.6 87.9 263.8

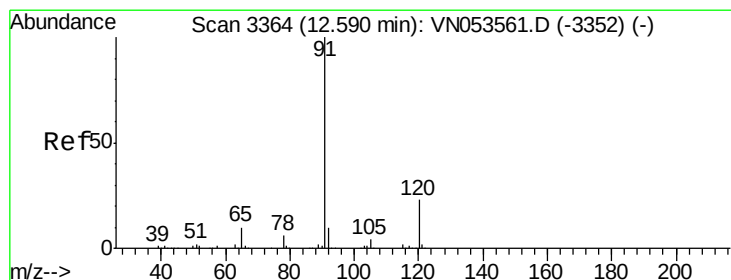
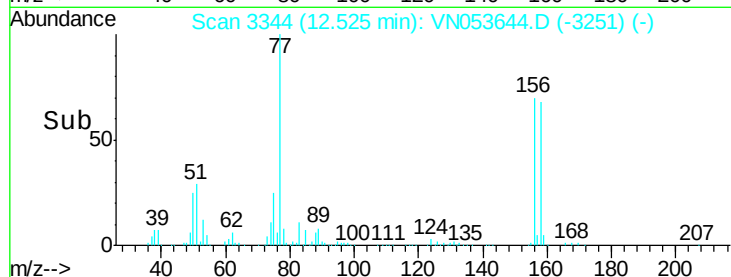
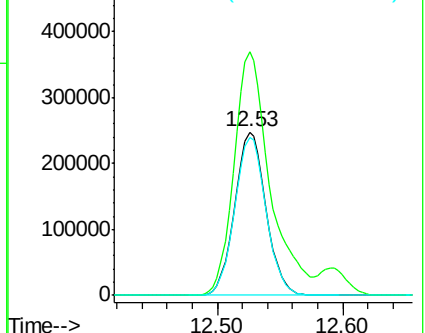
158 97.3 48.8 146.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 48.629 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN053644.D

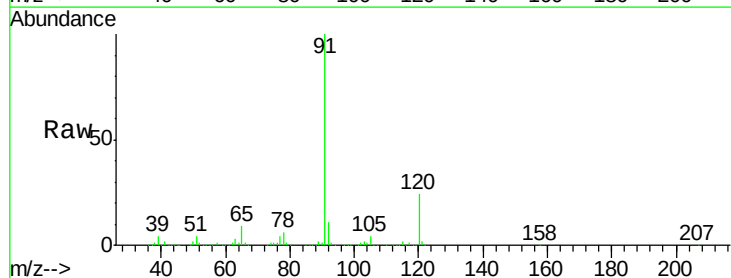
Acq: 6 Feb 2019 19:24

Tgt Ion: 91 Resp: 1846470

Ion Ratio Lower Upper

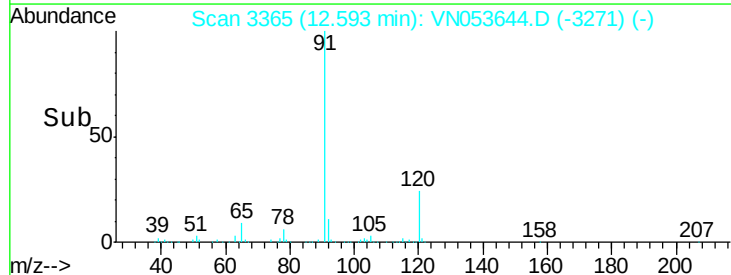
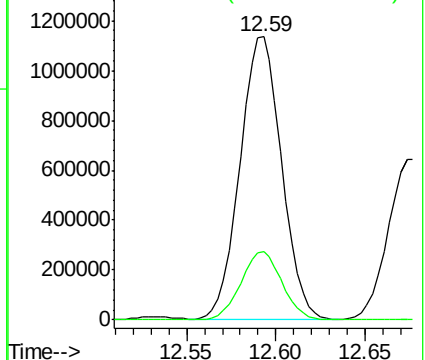
91 100

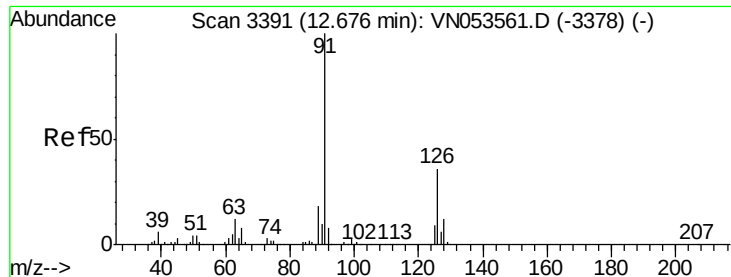
120 23.8 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 48.593 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN053644.D

Acq: 6 Feb 2019 19:24

Instrument :

MSVOA_N

ClientSampleId :

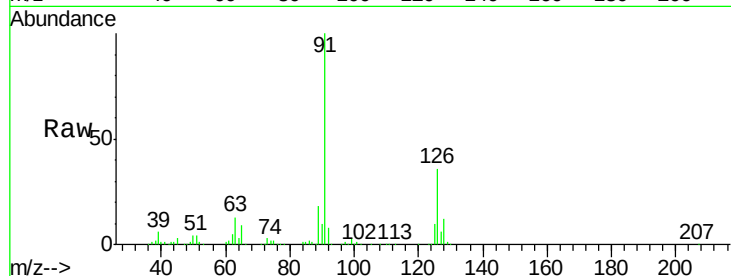
VSTDCCC050EC

Tot Ion: 91 Resp: 1094665

Ion Ratio Lower Upper

91 100

126 36.1 17.9 53.7



Abundance Ion 91.00 (90.70 to 91.70): VN053561.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN053561.D (-3378) (-)

1000000

800000

600000

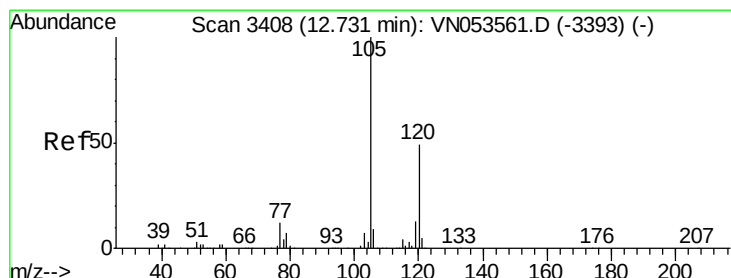
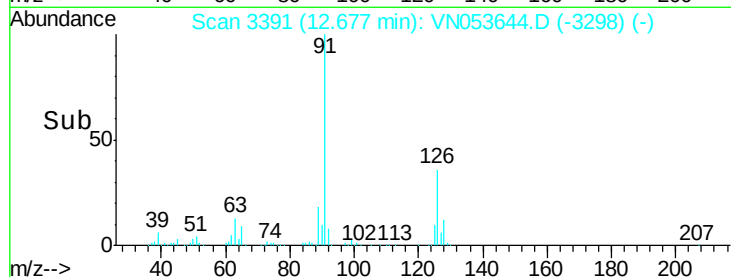
400000

200000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 50.606 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053644.D

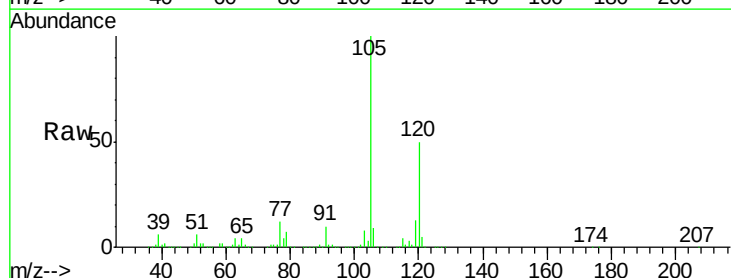
Acq: 6 Feb 2019 19:24

Tgt Ion: 105 Resp: 1378375

Ion Ratio Lower Upper

105 100

120 49.7 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): VN053561.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN053561.D (-3393) (-)

1000000

800000

600000

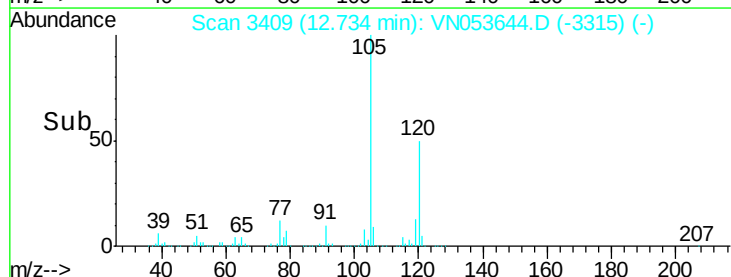
400000

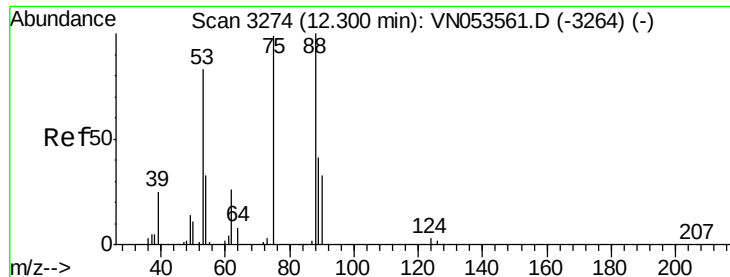
200000

0

12.70 12.80

Time-->

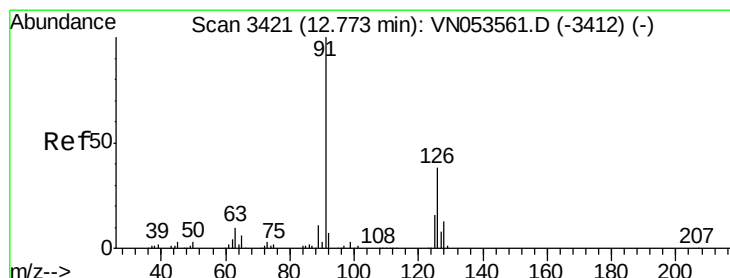
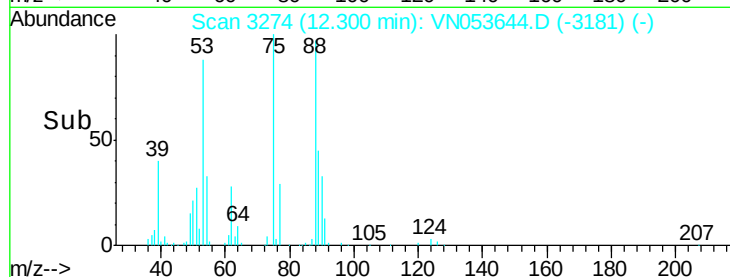
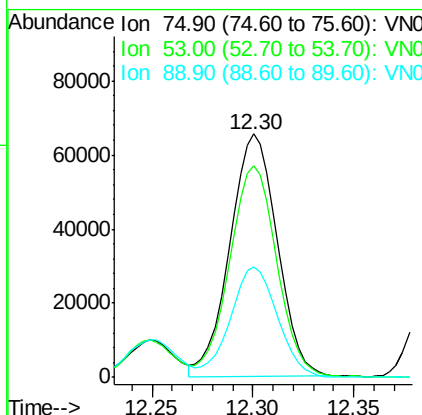
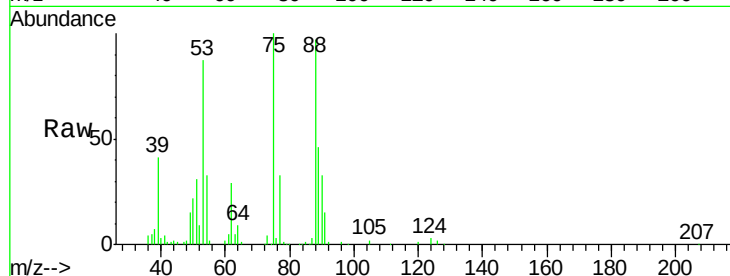




#81
trans-1,4-Dichloro-2-butene
Concen: 50.292 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN053644.D
Acq: 6 Feb 2019 19:24

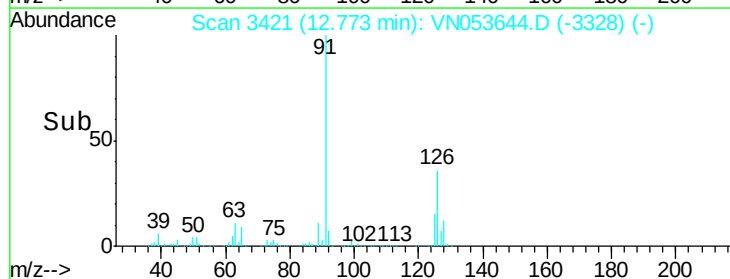
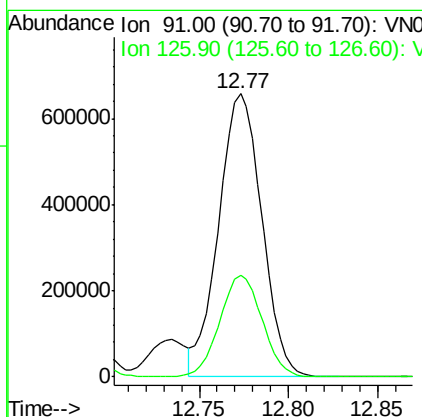
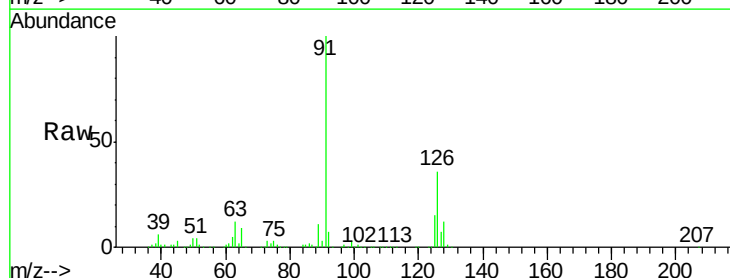
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

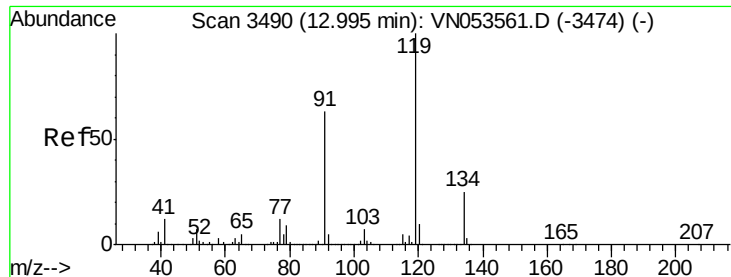
Tot Ion: 75 Resp: 107335
Ion Ratio Lower Upper
75 100
53 88.1 69.8 104.6
89 45.5 35.6 53.4



#82
4-Chlorotoluene
Concen: 47.751 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN053644.D
Acq: 6 Feb 2019 19:24

Tgt Ion: 91 Resp: 1103818
Ion Ratio Lower Upper
91 100
126 35.4 17.6 52.9

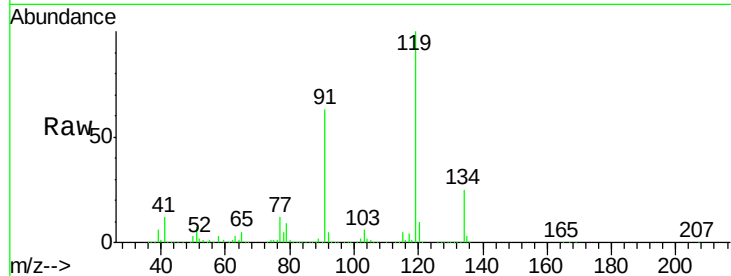




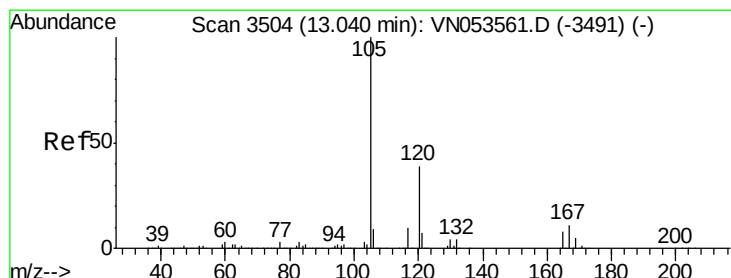
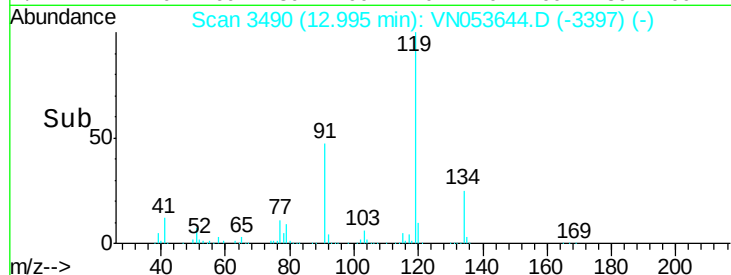
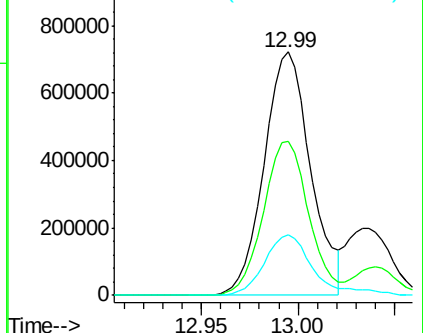
#83
 tert-Butylbenzene
 Concen: 50.350 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN053644.D
 Acq: 6 Feb 2019 19:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:119 Resp: 1212084
 Ion Ratio Lower Upper
 119 100
 91 62.0 31.3 93.8
 134 26.2 12.9 38.7

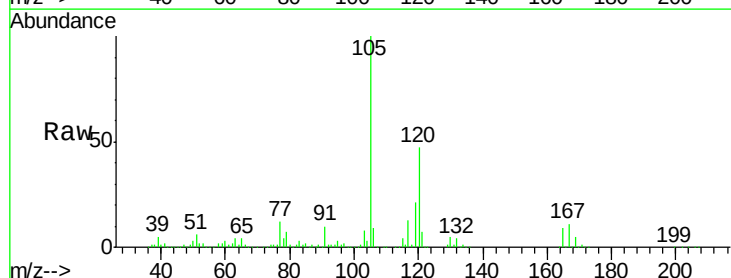


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

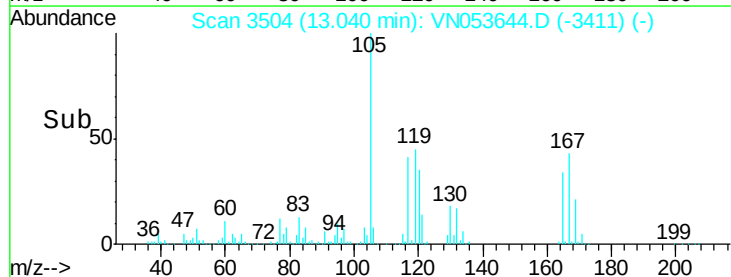
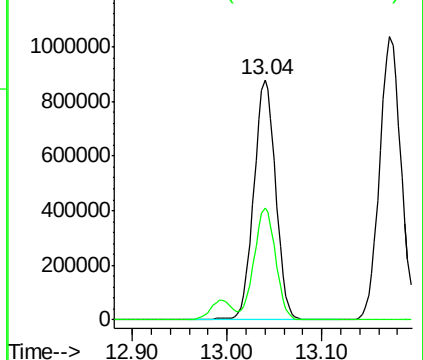


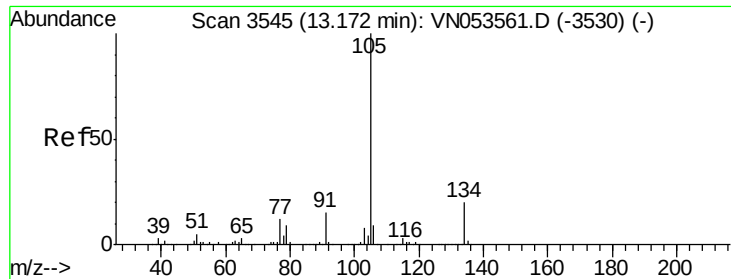
#84
 1,2,4-Trimethylbenzene
 Concen: 50.740 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN053644.D
 Acq: 6 Feb 2019 19:24

Tgt Ion:105 Resp: 1408035
 Ion Ratio Lower Upper
 105 100
 120 46.3 23.0 69.0



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 49.728 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053644.D

Acq: 6 Feb 2019 19:24

Instrument :

MSVOA_N

ClientSampleId :

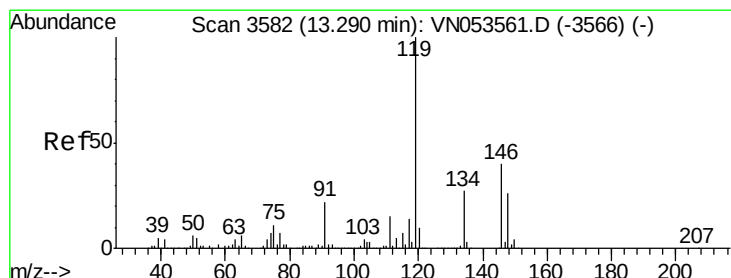
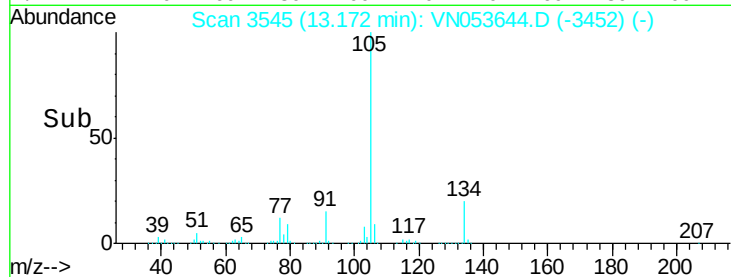
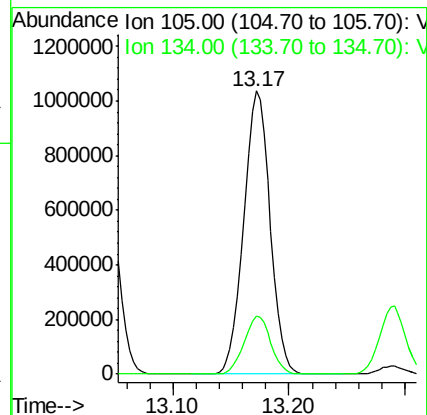
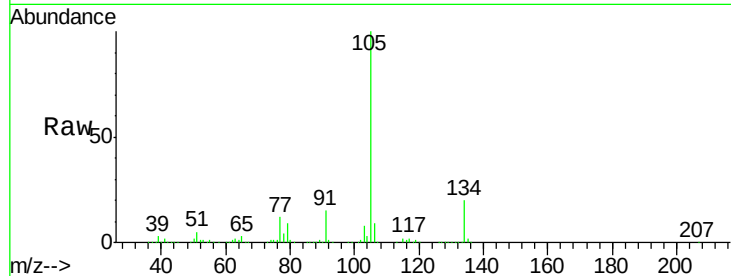
VSTDCCC050EC

Tot Ion:105 Resp: 1629041

Ion Ratio Lower Upper

105 100

134 20.7 10.2 30.6



#86

p-Isopropyltoluene

Concen: 49.930 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN053644.D

Acq: 6 Feb 2019 19:24

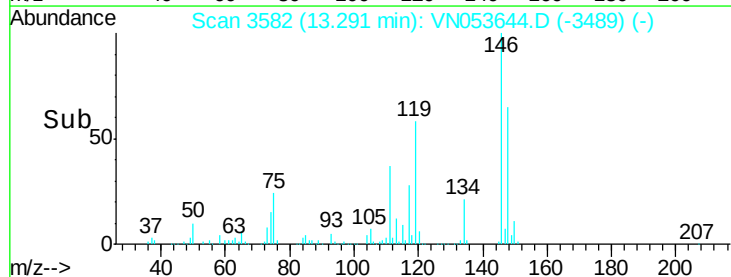
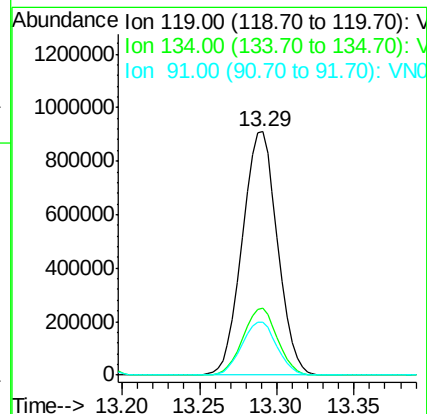
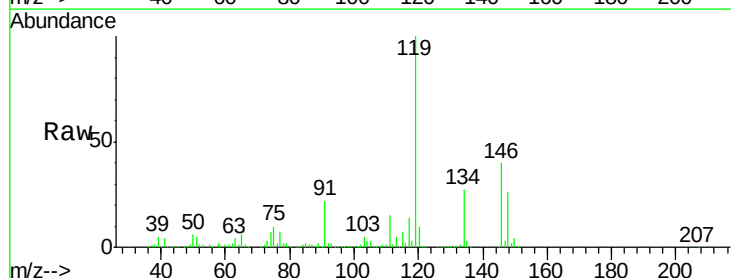
Tgt Ion:119 Resp: 1430504

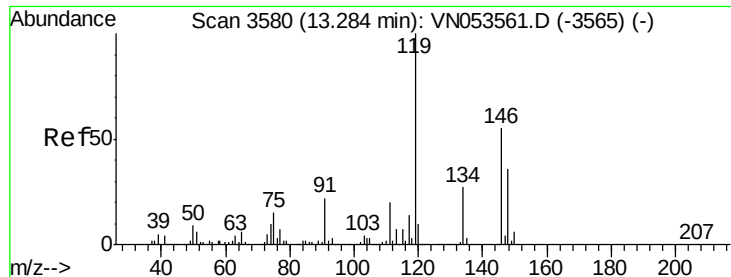
Ion Ratio Lower Upper

119 100

134 27.0 13.5 40.4

91 21.9 11.0 33.0

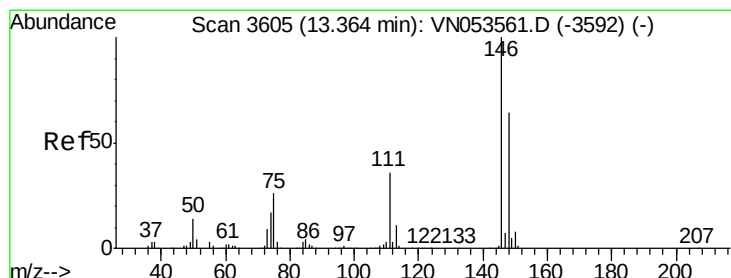
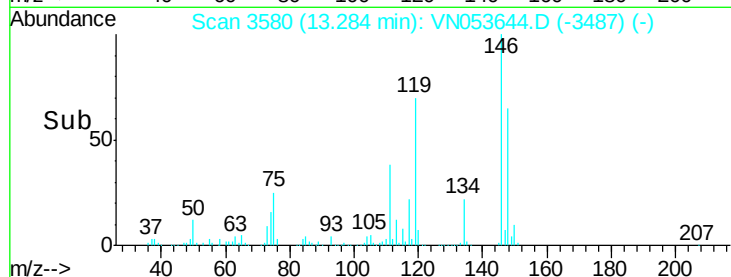
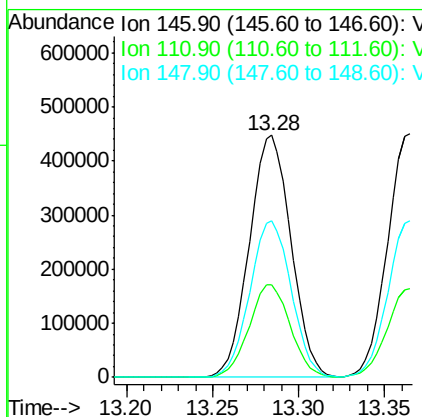
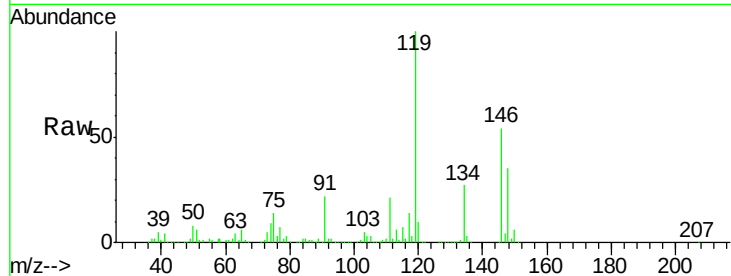




#87
 1,3-Dichlorobenzene
 Concen: 47.303 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN053644.D
 Acq: 6 Feb 2019 19:24

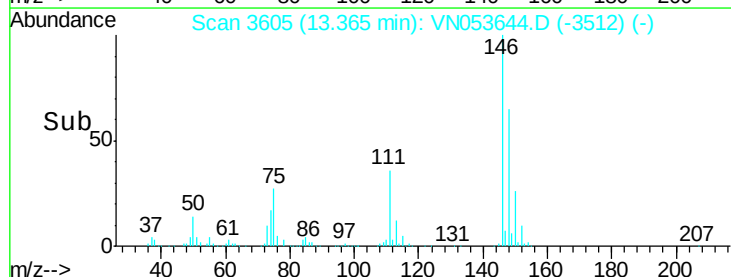
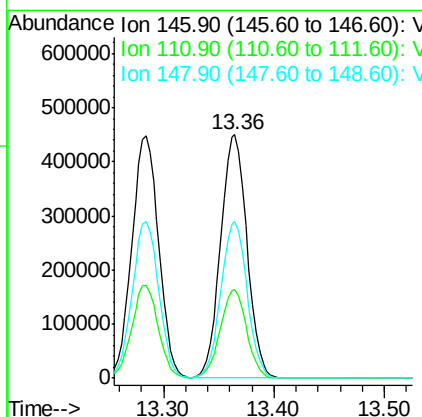
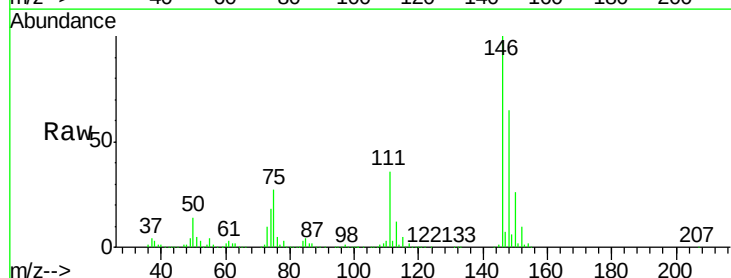
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

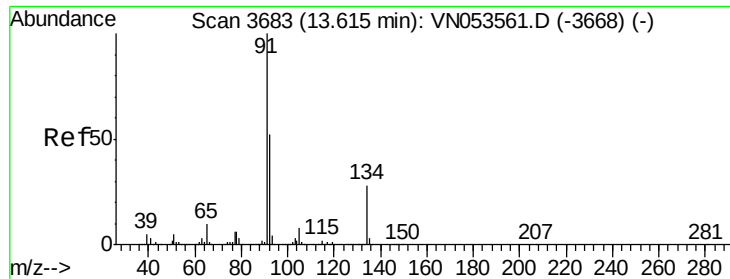
Tot Ion:146 Resp: 752739
 Ion Ratio Lower Upper
 146 100
 111 37.8 18.8 56.3
 148 64.3 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 47.374 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN053644.D
 Acq: 6 Feb 2019 19:24

Tgt Ion:146 Resp: 745733
 Ion Ratio Lower Upper
 146 100
 111 36.3 18.6 55.8
 148 64.1 32.4 97.0





#89

n-Butylbenzene

Concen: 49.080 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN053644.D

Acq: 6 Feb 2019 19:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

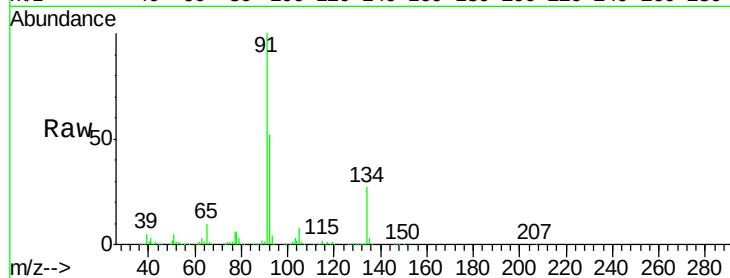
Tot Ion: 91 Resp: 1217128

Ion Ratio Lower Upper

91 100

92 52.3 26.3 78.8

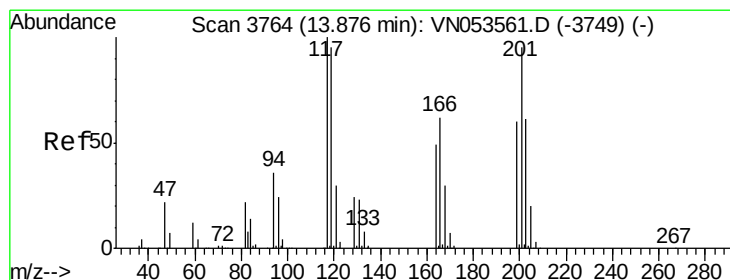
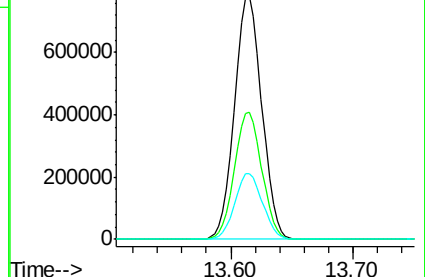
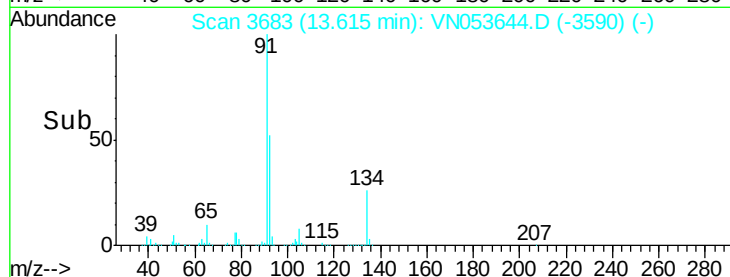
134 27.3 13.5 40.5



Abundance Ion 91.00 (90.70 to 91.70): VN053561.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN053561.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN053561.D (-3668) (-)



#90

Hexachloroethane

Concen: 50.470 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN053644.D

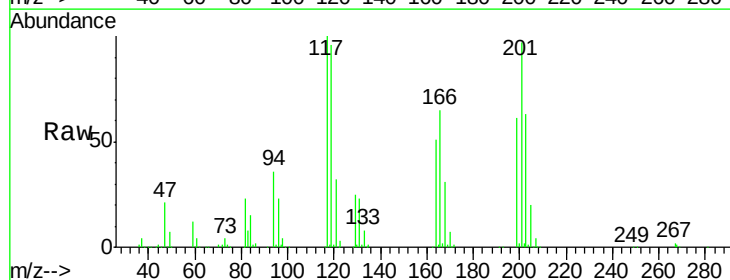
Acq: 6 Feb 2019 19:24

Tgt Ion: 117 Resp: 238512

Ion Ratio Lower Upper

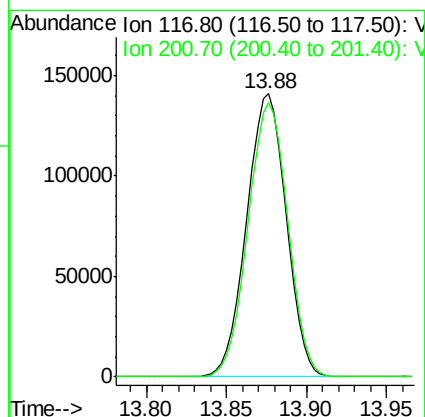
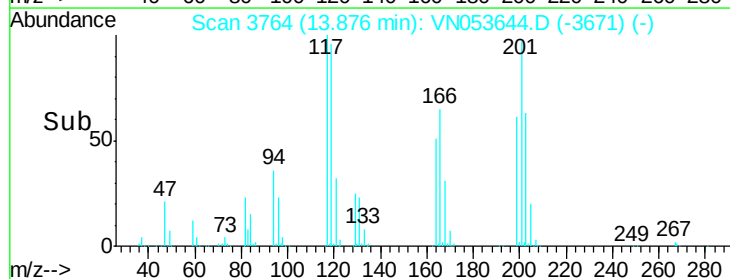
117 100

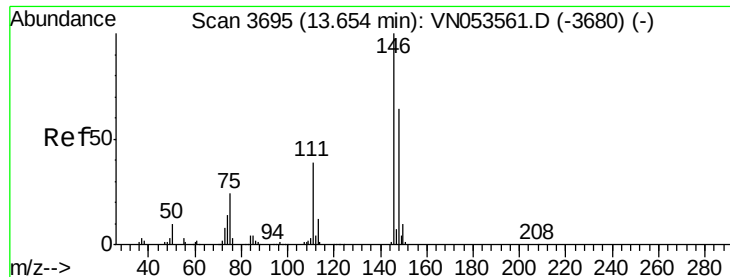
201 97.3 46.8 140.4



Abundance Ion 116.80 (116.50 to 117.50): VN053561.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN053561.D (-3749) (-)





#91

1,2-Dichlorobenzene

Concen: 48.494 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN053644.D

Acq: 6 Feb 2019 19:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

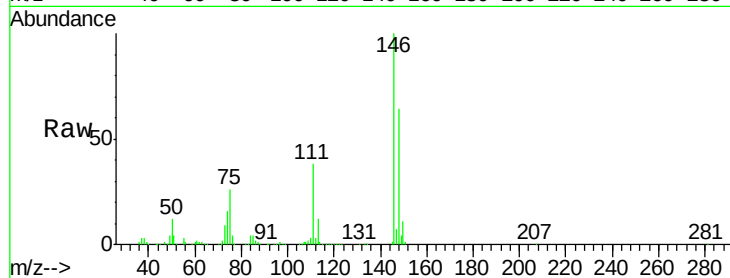
Tot Ion:146 Resp: 738776

Ion Ratio Lower Upper

146 100

111 38.7 19.5 58.5

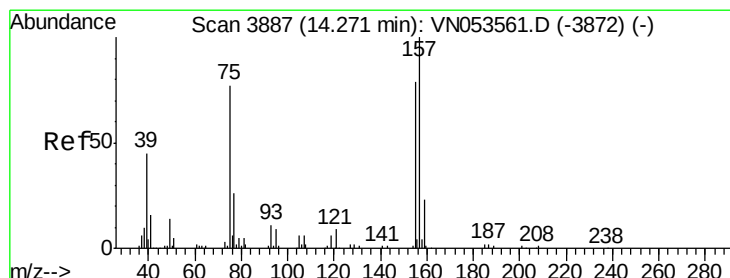
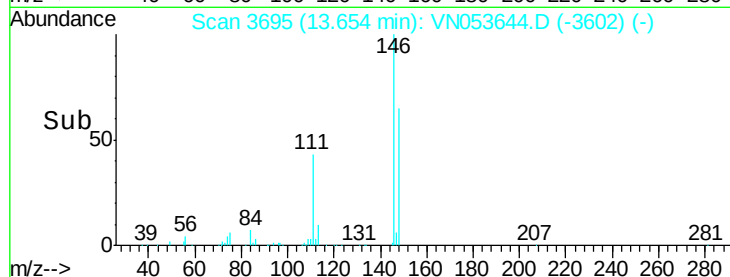
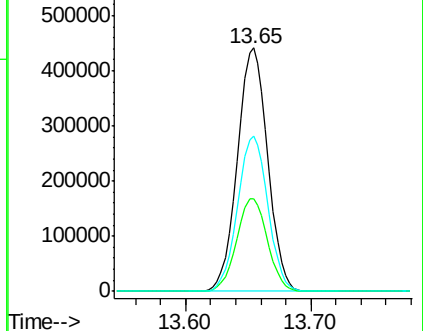
148 63.9 31.9 95.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 50.902 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. 0.00 min

Lab File: VN053644.D

Acq: 6 Feb 2019 19:24

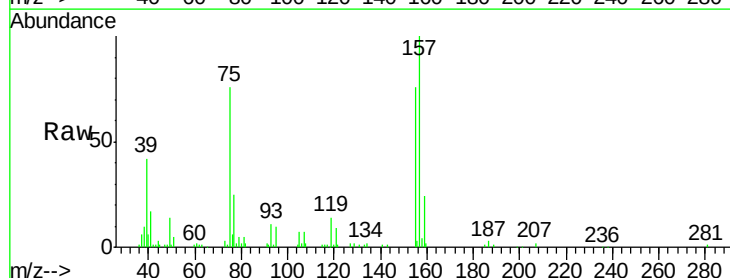
Tgt Ion: 75 Resp: 57026

Ion Ratio Lower Upper

75 100

155 98.0 48.9 146.7

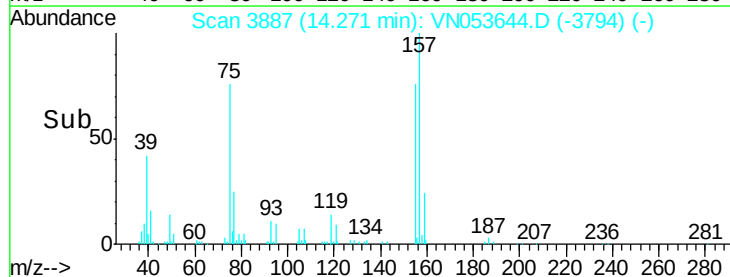
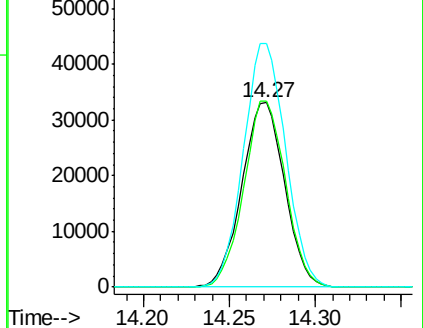
157 130.7 63.7 191.3

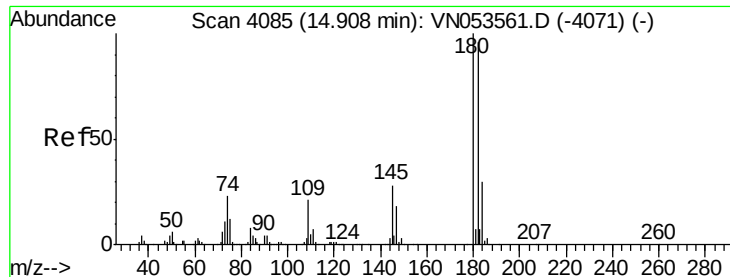


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

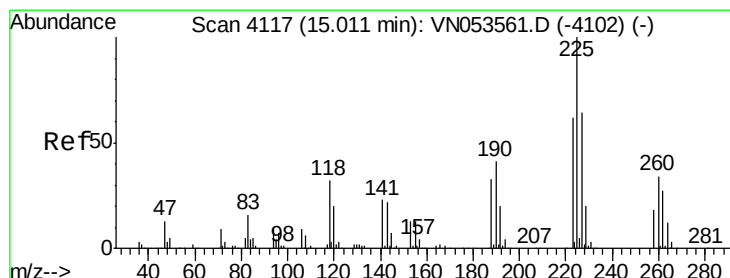
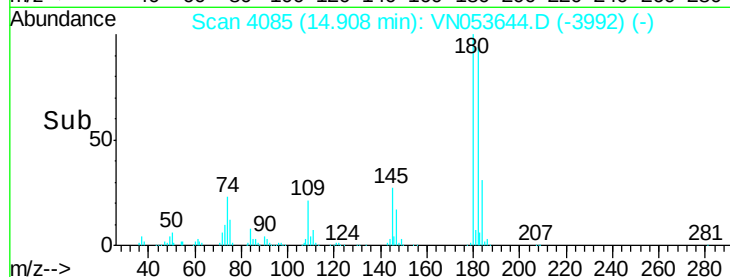
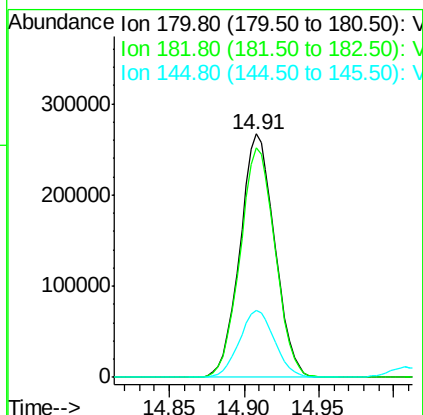
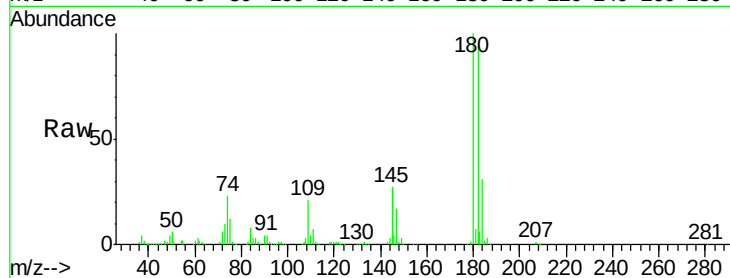




#93
 1,2,4-Trichlorobenzene
 Concen: 49.210 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN053644.D
 Acq: 6 Feb 2019 19:24

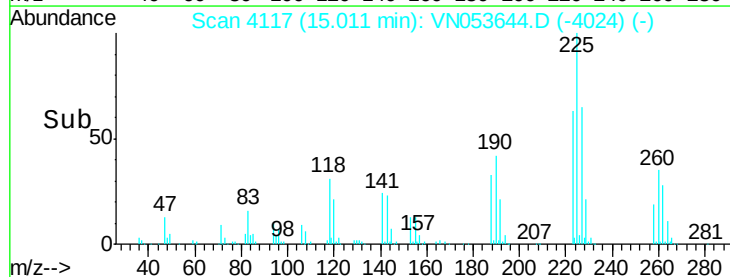
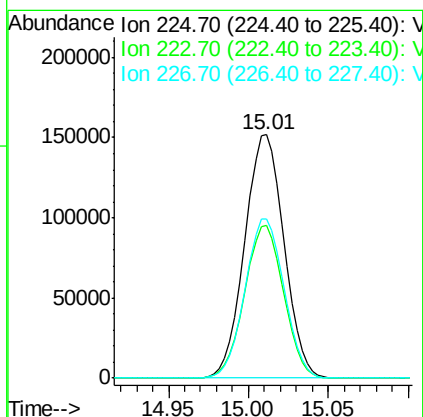
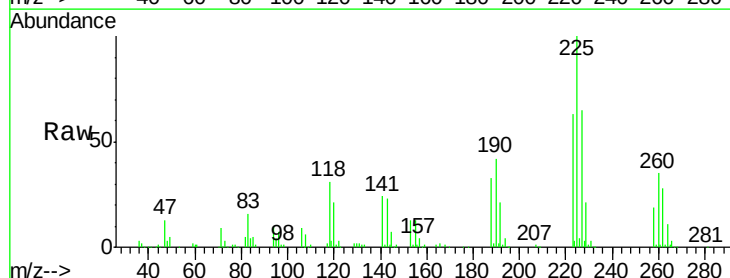
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050EC

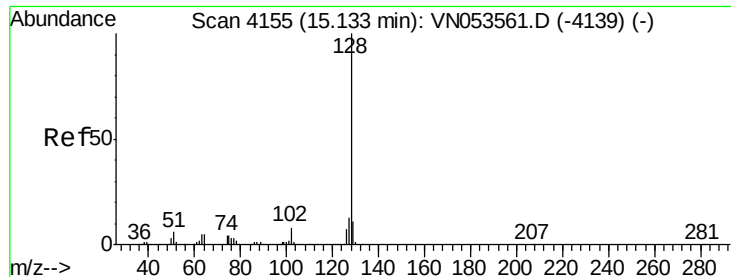
Tot Ion:180 Resp: 429972
 Ion Ratio Lower Upper
 180 100
 182 95.2 48.1 144.3
 145 27.7 13.9 41.6



#94
 Hexachlorobutadiene
 Concen: 46.795 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053644.D
 Acq: 6 Feb 2019 19:24

Tgt Ion:225 Resp: 254630
 Ion Ratio Lower Upper
 225 100
 223 62.1 31.1 93.2
 227 65.1 32.0 96.2





#95

Naphthalene

Concen: 46.558 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053644.D

Acq: 6 Feb 2019 19:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

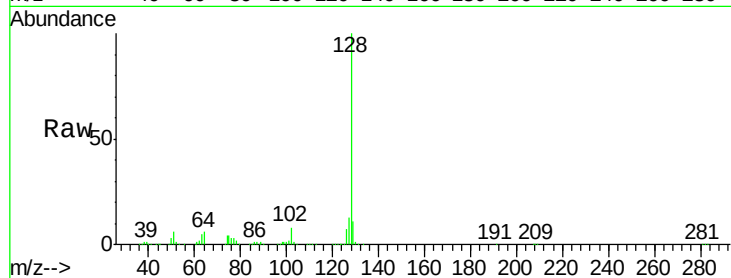
Tot Ion:128 Resp: 953064

Ion Ratio Lower Upper

128 100

127 12.7 10.3 15.5

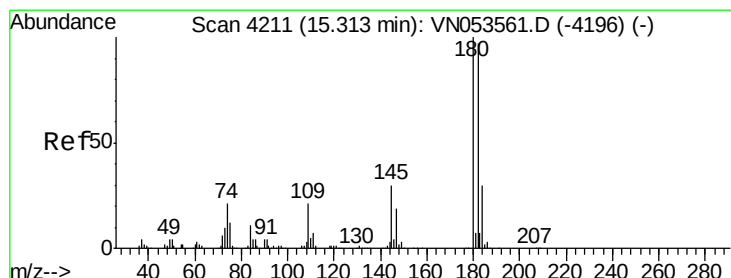
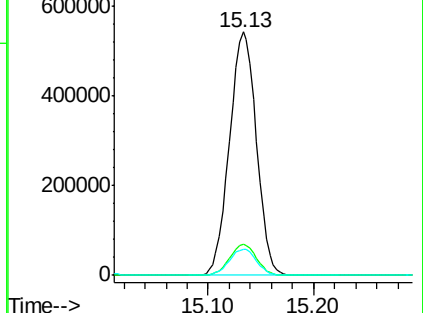
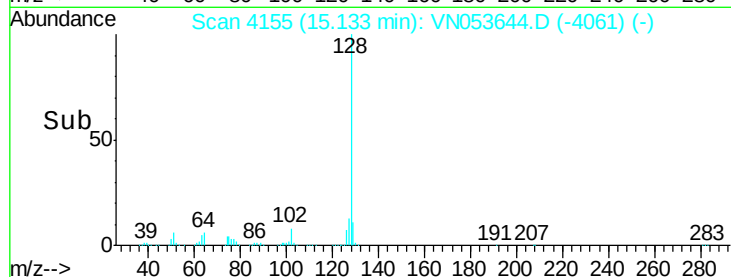
129 10.8 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 49.297 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN053644.D

Acq: 6 Feb 2019 19:24

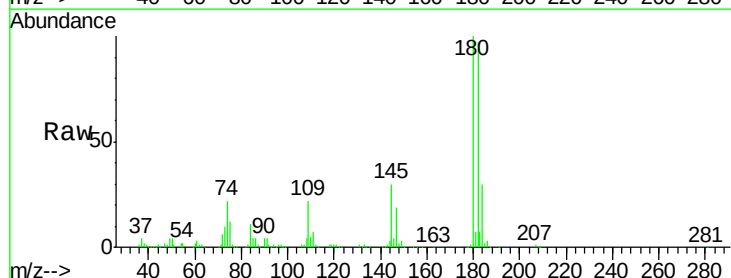
Tgt Ion:180 Resp: 399666

Ion Ratio Lower Upper

180 100

182 96.5 47.9 143.8

145 29.8 14.7 44.1



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

